STAEDEAN Equipment Rental 10.0.40.52 for Dynamics 365 Finance and Dynamics 365 Supply Chain Management (10.0)

Rental Management, Rental Logistics scanning and Rental Mobile Operations

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Document Information

Title	STAEDEAN Equipment Rental 10.0.40.52 for Dynamics 365 Finance and Dynamics 365 Supply Chain Management (10.0)
Subtitle (Subject)	Rental Management, Rental Logistics scanning and Rental Mobile Operations
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1.   General

1.1   Purpose

This document describes the new functionality developed for STAEDEAN Equipment Rental 10.0.40.52 for Dynamics 365 Finance and Dynamics 365 Supply Chain Management (10.0).

The purpose of this release is:

Topic	Yes/ No	Remarks
Upgrade to new Microsoft release	Yes	Microsoft Dynamics 365 Finance and Microsoft Dynamics 365 Supply Chain Management 10 build upon 10.0.36 (for backward compatibility) and validated along with 10.0.39 GA. Refer to this link for more information.
New features	Yes	See chapter 2.1
New D365 functional topics considerations	No	Not applicable
Bug fixes	Yes	See chapter 3.1
Discontinued features	No	Not applicable

1.2   Audience

The audience for this document is certified partners selling and implementing as well as customers who have bought the solution.

1.3   Available languages

STAEDEAN Rental management is available and supported in the English (EN-US) language. Starting from release 10.0.32.47 the languages German, French, Spanish, Portuguese, Dutch, Italian, Norwegian, and Polish are available to be used next to the English language. Starting from release 10.0.35.48, Swedish language is also available, and starting from release 10.0.37.48, the Danish language is introduced. Any other available language is not supported and needs to be maintained by either the partner or customer.

The STAEDEAN Rental Mobile Operations App is only available in the English (EN-US) language. Other languages are currently not supported.

STAEDEAN Rental Logistics scanning is only available in the English (EN-US) language. Other languages are currently not supported. It is possible to translate the Anywhere labels (labels used within the mobile processes) or label files (label files used within the standard applications). For the translation, either the translation API of Google or Microsoft is used. In order to use one of the translation services you need an API key from either Google* or Microsoft*.

1.4   Product release information

STAEDEAN Equipment Rental 10.0.40.52 for Dynamics 365 Finance and Dynamics 365 Supply Chain Management (10.0) is built upon D365 version 10.0.. Since Microsoft maintains a no breaking changes policy, the fact that this release is built on this version means that it can be applied to an environment running on D365 version 10.0. or any later version and the application should compile without any issues. However, as we have only functionally validated this version against D365 version 10.0. GA, we recommend applying our TI product release on that MS version as well. If you deviate from this (and thus apply the release to a different version), we recommend performing a more thorough round of testing before applying the release to a production environment.

This is summarised in the following table.

Release Date	Release version	Minimum required D365 version	Validated against D365 version	Compatible with D365 version
01/11/2024	10.0.38.50	10.0.35	10.0.38	10.0.35 and above
03/04/2024	10.0.39.51	10.0.36	10.0.39	10.0.36 and above
31/07/2025	10.0.40.52	10.0.37	10.0.40	10.0.37 and above

In case of an Error, STAEDEAN may provide a Hotfix on a reasonable efforts basis in a way it considers appropriate in its discretion. STAEDEAN cannot be obliged to provide Hotfixes if the Client has not deployed the latest release or the Release second to the latest Release and/or is not using a supported version of Microsoft Dynamics.

To ensure our customers can fully leverage the latest enhancements, features, and quality improvements, we are committed to providing increased support by keeping them updated with the most recent releases. Our data indicates that customers on the latest version experience fewer issues and requests, demonstrate greater resilience, and effectively enhance their organizational efficiency.

For more information about our latest available product versions, the latest validated GA-versions from Microsoft as well as the Minimum MS version required, please visit the page: Knowledge Base - Support - STAEDEAN.

1.5   Localizations

Available localizations that need to be enabled separately within Dynamics 365 Finance and Dynamics 365 Supply Chain Management to support country-specific requirements do not by default apply for the STAEDEAN Rental Management modules. At this point, STAEDEAN Rental Management does not support these country-specific localizations. In case this is required it needs to be maintained and supported by a local qualified partner that has full insight in the regulations.

1.6   Data Entities

This release document contains a list of the data entities that are being supported. Data Entities that are not listed are currently unsupported. The supported data entities may only be used for importing

and exporting data. The partner may use these as a foundation to further extend them. STAEDEAN does not have a policy to deliver an import/export data entity for every new functionality.

1.7 Security

STAEDEAN does not deliver a full set of duties for the entire STAEDEAN Rental Management solution yet and we do not ensure that any pre-configured roles work in combination with standard Dynamics 365 Finance and Dynamics 365 Supply Chain Management roles and security.

1.8 Compatibility with other modules

STAEDEAN Rental Management is compatible with the following solutions for Dynamics 365 Finance and Dynamics 365 Supply Chain Management 10.0.10 or higher:

Rapid Value	Security & Compliance Studio
Advanced Project Management	Action Management
Advanced Maintenance and Service	STAEDEAN Rental Logistics scanning
Advanced Project Planning	STAEDEAN Rental Management BI Easy
Product Engineering	STAEDEAN Rental Management 365 CE
Business Integration Solution	STAEDEAN Rental Management IoT
Connectivity Studio	STAEDEAN Rental Management PowerApps Customer Portal
Dynamics Anywhere	STAEDEAN Rental Management Employee PowerApps

Note: These are optional, and they each require a separate license and are each a separate deliverable.

1.9 License coverage

STAEDEAN Rental Management is governed by three licenses that control access to specific functions and features.

Feature	License	Remarks
Rental Order Management	DNRDynaRent	
Business Objects		
Work Order Project Planning		
Utilities		
Field Service PowerApps		
DynaRent BI	DNRBIEntities	
Anywhere for Rental	DNRDynaRentAnywhere	

Important: It is not possible to run STAEDEAN Rental Management without the DNR I license.

1.10 Upgrade from earlier versions

Refer to the installation guide for more details.

Upgrade of STAEDEAN Rental Management (former DynaRent) D365 onwards is supported via the use of the migration process and tooling as required to upgrade from Microsoft Dynamics 365 Finance and Microsoft Dynamics 365 Supply Chain Management Enterprise Edition.

If you are upgrading from an earlier version than N-1 please read all the related release notes carefully to make sure you are following the required steps.

1.11 Model delivery discontinued

Models are no longer going to be released from STAEDEAN Rental Management 10.0.30.45 release onwards. If you still require the models, please contact our support team with a business reason.

#Note: If you have installed models from any of the previous releases of STAEDEAN Rental Management, you must remove them before installing STAEDEAN Rental Management 10.0.30.45 or later.

2.   What's New

This chapter will contain all features, enhancements and change request added to the three rental products.

2.1   What's New!?

Company and product name change:
As per the 11th of July 2024, To-Increase B.V. changed its name to STAEDEAN B.V. With this name change, our products have also changed by name.

STAEDEAN Rental Management
Is the new name for DynaRent.

STAEDEAN Rental Logistics Scanning
Is the new name for Anywhere for Rental

STAEDEAN Rental Mobile Operations
Is the new name for DynaRent Mobile

2.2   Features and enhancements

2.2.1   Rental fuel management renewed
With this release a new Rental fuel management is introduced, which will bring a lot more functionality and flexibility.

2.2.1.1 Fuel management config key
The new Rental fuel management must be enabled with a license configuration key. Enabling this key will replace the old Rental fuel management form and gives access to all new functionality listed below.

2.2.1.2 Setup and changes
2.2.1.2.1 Fuel type on released product
On the released product details, the Rental section is expanded with the field "Fuel item", which allows the user to define if this particular items is used as fuel item, (fuel)additive item or as Surtax item in the fuel transaction process

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2.2.1.2.2 Fuel invoicing on business object rental type

On the business object rental type the field "Fuel invoicing" has been added. This is a dropdown field to define how fuel belonging to this business object must be invoiced. The field contains three options:

Option: None

Used when this rental type will not use fuel.

Option: Invoice fuel at rental order start

Fuel child lines under this rental type on the rental order will invoice fuel at the start of the rental order. When the line is returned and an off-rent fuel transaction is created, with the actual amount of fuel that is used, the fuel transaction that was invoiced at the start will be credited.

Option: Invoice fuel at final invoice

Fuel child lines under this rental type will be created and delivered at no price. When the parent line is returned and an off-rent fuel transaction is created, then this transaction with the actual amount of fuel that is used will be invoiced.

2.2.1.2.3 Fuel fields on customer and rental order

On the customer record, within the Rental order defaults tab, two fields are added to store the preferred fuel type and refuel action of the customer.

Preferred fuel type:

This field indicates the preferred fuel type of the customer. This field is a lookup field to the item table, prefiltered on items setup for fuel.

Preferred refuel action:

This field indicates the customer's preferred refuel action. This dropdown contains three options:
- None,
- Refuel by partner
- Refuel by customer

On the rental order header, the same two fields are added.

When a rental order is created from a customer that has the fuel field setup, then these values will be taken over. If required, the user can adjust these values on the rental order.

The preferred fuel type field on the rental order will be used the first time the rental line editor is opened when an item is added to the rental order. If that fuel type is present in the supplementary rental items, then it will be automatically included.

2.2.1.2.4 Business object fuel tank

The business object has been expanded with additional fuel tank information.

By enabling the checkbox "Enable fuel tank" on the Business object, access to the Business object fuel tank will become available on the business object header list pane.

Clicking on the "Fuel tank" will open the business object fuel tank form:

This form allows the user to store per line:
- Object number
- Fuel tank ID   (number sequence generated)
- Fuel type   (only item setup for fuel can be selected)
- Capacity   (total capacity of this tank)
- Current quantity
- Cleaned   (is the tank cleaned?)

- Average use   (store what the average use is)
- Main tank   (indication of the type of fuel tank)
  - Main fuel tank
    - Can only exist once.
  - Main additive tank
    - Can only exist once.
  - Fuel tank
    - Can exist more then once.
  - Additive tank
    - Can exist more then once.

2.2.1.2.5 Fuel management setup

In the business object module, within setup, a section for fuel management has been added.

∨ Fuel management

    Fuel country quality table

    Fuel conversion table

2.2.1.2.5.1 Fuel country quality table

In the Fuel country quality table, the setup can be done, to define which fuel types are allowed to be used per country and per that combination the fuel quality can be defined.

This table is validated in later processes to validate if the fuel type is allowed to be used in a specific country and how the quality will effect the existing fuel in a fuel tank.

Fuel country quality table

Standard view * ∨

Fuel type	Country/region	Fuel quality
AdBlue	NLD	1
RegDiesel	NLD	1
GTL	NLD	3
DEF	NLD	3
ULZ	NLD	5
HVO	NLD	5

2.2.1.2.5.2 Fuel conversion table

In the fuel conversion table, setup can be done, to define which fuel types are allowed to move to a different country, as the fuel is of the same type. As in each country only certain fuel types are allowed. When an object is moved to a different country, then this table will be used as source to validate and change the fuel type in the fuel tank to the fuel type that is allowed in that country.

The records in this table are combinations of records from the fuel country quality table.

Origin fuel		Destination fuel	
NLD	ULZ	IND	RegDiesel
NLD	HVO	DEU	HVO
NLD	HVO	DEU	BTL
NLD	HVO	IND	HSD
NLD	GTL	DEU	GTL
NLD	GTL	IND	BioDiesel
NLD	GTL	USA	GTL
NLD	DEF	IND	DEF
NLD	DEF	DEU	AdBlue
NLD	DEF	USA	AdBlue
NLD	AdBlue	DEU	BTL

2.2.1.2.6 Business object location change

When the business object location is updated to a new location, which has a country different from where it was, then an action is called to validate the fuel types in the fuel tank.

The fuel type and the country of the new location log will be compared against the Fuel country quality table and the fuel conversion table. If no record can be found, a warning will be given.

If a record is found, then the fuel type on the fuel tank will be updated to the destination fuel type of that country.

2.2.1.2.7 Project category for fuel transaction type

Rental order management – Setup – Invoicing – Fuel type invoicing category

Setup table to define the project categories that needs to be used when invoicing fuel on the rental order. Each of the five fuel transaction types can only be setup once to a project category. This can be a item journal or a hour journal, this depends if project invoicing or transfer to project is used for invoicing on the rental order.

Category	Fuel transaction type ↑
FuelHour ⌄	On-rent ⌄
FuelHour	Off-rent
FuelHour	Refuel
FuelHour	Correction
FuelHour	Surtax

2.2.1.3 Rental fuel management form

A new Rental fuel management form has been created to store the fuel transactions.
This form can be reached via the action:
Rental order management – Fuel management – Rental fuel management.

Rental order	Serial number	Fleet number	Fuel tank	Date	Fuel type	Status	Transaction type	Method	Quantity	Corrected	Customer	Name	Rental type
140033	MK450AJ1202-1	MK450AJ1202-1	FT-000000022	1-5-2024	HVO	Confirmed	Refuel	Added	40		BAM-01	BAM Nederland	450AJ
140033	MK450AJ1202-1	MK450AJ1202-1	FT-000000022	1-5-2024	HVO	Confirmed	Surtax	Added	30		BAM-01	BAM Nederland	450AJ
140033	MK450AJ1202-1	MK450AJ1202-1	FT-000000022	30-4-2024	HVO	Open	Correction	Added	40		BAM-01	BAM Nederland	450AJ
140033	MK450AJ1202-1	MK450AJ1202-1	FT-000000022	1-5-2024	HVO	Confirmed	On-rent	Current	1500		BAM-01	BAM Nederland	450AJ
140033	MK450AJ1202-1	MK450AJ1202-1	FT-000000022	1-5-2024	HVO	Confirmed	Off-rent	Added	20		BAM-01	BAM Nederland	450AJ

2.2.1.3.1 Rental fuel management header functions

The user has access to the following actions on the Rental fuel management grid.

New record
Create a new fuel transaction record. Where the user can select the rental order line, business object, business object fuel tank, transaction date, fuel type, transaction type, fuel method and the fuel quantity of the transaction.

Copy selected line
Using this function, the create fuel transaction form is opened, but most relevant data is copied from the line that was selected for copy. This allows for quicker registering of fuel transactions.

Validate
Option to mark fuel transactions lines as validated. This can be used, when the lines are imported via a interface, when there compared to an actual invoice.

Correct
Option to correct a confirmed line. This will trigger a credit, as the original line is already pushed and probably invoiced on the rental order.

Post

Post / confirm the fuel transaction line. The following actions will take place

- Validation
    - Validate if all fields are filled
        - Posting will be blocked when not all values are filled.
    - Validate the fuel type against the country of the rental order with the fuel country setup table
        - A warning will be given when the fuel type is not allowed in the country of the rental order.
    - Validate the fuel type against the fuel type in the fuel tank
        - A warning will be given if the fuel type is not equal.
- This will create a sales line on the rental order to invoice the amount to the customers.
- The fuel type/item will be used to determine the sales price, from the standard D365 trade agreement, based on the transaction date.
- Update fuel type on fuel tank

Delete

Only fuel transactions with type Refuel and Surtax, which has status Open can be deleted. The fuel transaction can only be deleted when there is no connected salesline for invoicing.

Fuel transactions with type On-rent, Off-rent and correction cannot be deleted, as there are created automatically in the process and are required for the final invoicing.

2.2.1.3.2 Rental fuel management grid columns

This grid stores the following information:

- Fuel transaction information
    - Fuel type
    - Transaction type
        - More information below on transaction type.
    - Status
        - Open
            - Records can still be changed
        - Confirmed
            - Records cannot be adjusted anymore, as a rental order line is created for invoicing.
    - Date
    - Quantity
    - Method
        - Added
            - Defines if fuel was added to the fuel tank
        - Current
            - Defines if the fuel tank was only measured.
        - Removed
            - Defines if the fuel tank was emptied.
        - Credit
            - Defines a fuel transaction used for crediting.
- Rental order information
- Rental date information
- Business object information
- Fuel tank information

2.2.1.3.3 Rental fuel transaction type
There are five transaction types used for fuel transactions and each trigger a different action.

On-rent
- Fuel transaction will be created from the fuel item when delivered with the rental order packing slip
- If the parent rental type has Invoice action: Invoice fuel at rental order start
  - Fuel will be invoiced from the rental order at the start
  - The On-rent fuel transaction will be credited, when the off-rent fuel transaction is created.
- If the parent rental type has invoice action: Invoice fuel at final invoice
  - Fuel will be delivered at start for zero price.
  - Fuel on-rent transaction will hold information with the amount of fuel when the object was rented out to the customer.
  - With the off-rent fuel transaction, the difference between start and end will be invoiced to the customer.

Off-rent
- Created at the end of the process
  - Fuel transaction created manually or imported into the table by an interface
  - Confirmed off-rent transaction will create a sales line to invoice/credit to the customer on the rental order.
  - Displays the amount of fuel that was defined on return. This value, with the method, defines how the fuel on the rental order is invoiced.
  - When the off-rent fuel transaction is created, the system validates the fuel invoice scenario on the rental type. If the value is "Invoice fuel at rental order start", then the on-rent fuel transaction is credited.
  - The fuel tank on the business object is updated
    - Fuel tank status Cleaned updated with No
      - As cleaning is a separate manual process
    - When the method is Add
      - Quantity field updated with the value in the capacity field
    - When the method is Current
      - Quantity field updated with the quantity field on the fuel transaction
    - When the method is Removed
      - Update the quantity field to zero

Refuel
- Created when the object is refuelled on location
  - Transaction created manually or imported into the table by an interface
  - Confirmed transaction will create a sales line to invoice/credit to the customer on the rental order.
- Displays the amount of fuel used during refuelling

Correction
- Used to invoice a correction.
- Created via the correction button
- Confirmed transaction will create a sales line to invoice/credit to the customer on the rental order.

Surtax
- Used to invoice a surtax
- Created manually or imported into the fuel transaction table by an interface
- Confirmed transaction will create a sales line to invoice/credit to the customer on the rental order.

2.2.1.4 Rental order process
Example of rental order process with fuel.
- Rental order created
  - With preferred fuel type
- RLE opened upon rental order line creation
  - Fuel item included based on preferred fuel type
  - Fuel item price
    - Fuel item will keep price with fuel invoice setting "invoice fuel at rental order start"
    - Fuel item will have no price with fuel invoice setting "Invoice fuel at final invoice"
  - User adjust quantity, for the amount of fuel agreed with customer.
- Rental order delivered
  - System will create confirmed On-rent fuel transaction
- Refuel action at customer site
  - Refuel transaction registered in the fuel transaction table
  - On confirmation, sales line created on the rental order for invoicing
- Object is returned
  - Off-rent fuel transaction created for actual amount of used fuel
  - Fuel invoice setting
    - With fuel invoice setting "invoice fuel at rental order start", system will create a credit fuel transaction for the On-rent fuel transaction
    - With fuel invoice setting "Invoice fuel at final invoice", no action of On-rent fuel transaction
  - User will confirm the off-rent and if applicable the on-rent credit fuel transaction. Both lines will be created as sales line on the rental order

If the final fuel transactions are created, before the final invoice of the rental order. Then invoicing of the fuel lines can be prevented with the parameter "Don't post fuel before final invoice" from the Rental parameters.

2.2.1.5 Fuel as attribute in STAEDEAN Rental Logistics Scanning
With adjustments made part of the Business object components feature, fuel type and fuel quantity from the rental order line can be seen in STAEDEAN Rental Logistics Scanning as an attribute.
The values will be shows as part of the parent line in the picking menu.

In the STAEDEAN Rental Logistics Scanning parameters, part of section Rental, the picking attributes can be setup.

To this setup the option to choose Fuel type and Fuel quantity has been added.

During picking of an object that has fuel child lines, this information will be displayed.
Rental order:

Picking in STAEDEAN Rental Logistics Scanning:

2.2.2 Rental Credit Exposure

Introducing in this release is the new STAEDEAN Rental management Rental credit exposure. The new Rental credit exposure is build on top of the Credit management functionality that was introduced in February 2020 by Microsoft. The Rental credit exposure allows you to validate the customers credit limit against the to be invoiced Rental order invoice periods.

2.2.2.1 Changes and setup Credit and collections parameters for rental
The parameters on the credit tab in the credit and collections parameters have been expanded with fields for Rental.

Credit limit on rental orders
Checkbox to include rental orders in the credit limit check.
The existing checkbox "check credit limit on Sales order" has been adjusted to include only sales order line.

Credit limit type
The existing credit limit type dropdown has been expanded with a new value called "Balance+confirmed+packing slip". This option works the same way as Balance + all, with as

difference that not confirmed orders(sales / rental) are excluded from the calculation of the credit limit.

Skip credit limit check on confirmation for delivered
New field added which disables the credit limit check for delivered lines, when the confirmation is executed. While for the not delivered lines, the credit limit check is performed during confirmation.

Rental collection term
This field allows the user to define the number of days, which will be added for calculation in the rental exposure period.

Rental credit exposure period
A dropdown field with 2 options to define which kind of Rental credit exposure period should be used for the calculation:
- One Un-invoiced period+Payment term+Collection term
    - The Rental credit exposure period is calculated for each line for: The number of days in the first un-invoiced period, plus the number of days defined in the Rental collection term and the number of days defined in the payment terms.
- Un-invoiced rental period+Payment term+Collection term
    - The Rental credit exposure period is calculated for each line for: The number of days of the whole un-invoiced period, plus the number of days defined in the Rental collection term and the number of days defined in the payment terms.

Automatically recalculate estimated balance on checkpoints
Enabling this field, allows the estimated balance to be automatically recalculated on checkpoints.
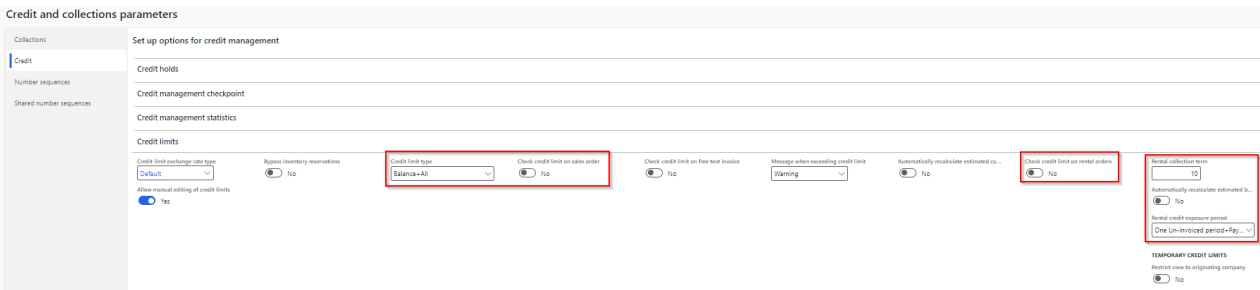
2.2.2.2 Changes and setup Credit management on Rental order
Changes made on the Rental order to support Rental Credit exposure.

2.2.2.2.1 Credit management tab
The credit management tab from Microsoft is added to the rental order, so the user has insight in the hold list or force credit hold for Rental orders.

2.2.2.2.2 Additional Rental credit exposure fields on the rental order line
On the rental order line two new fields are added, which will be recalculated when "Automatically recalculate estimated balance on check points"=yes.
- Applied exposure period
    - Displays they applied exposure period calculated for that line
- Estimated balance amount
    - Displays the calculated estimated balance amount for that line.

2.2.2.2.3 Rental exposure period calculation

With the standard credit management checkpoints, the moment of calculation/validation can be regulated for the credit limit. When one of the checkpoints is triggered, then the following calculation will take place for each rental order line.

Based on the parameter "Rental Credit exposure period" the amount for days for the rental credit exposure period will be defined. For rental lines, with the expected off-rent date in the past (earlier than today), the system will use the option "One Un-invoiced period+Payment term+Collection term" despite of the setting in the parameters.

Example (full calculation for one rental order):
- Customer "X" orders a machine on 1 May 2023 for delivery on 6 May 2023
- Expected rental period is 6 months
- The applicable rate is 100 EUR per day including the sales tax)
- The applicable rental calendar is 5 days calendar
- The customer's payment term is 30 days
- The fixed term (collection) is set to 7 days in the Accounts Receivable parameters
- Invoice profile weekly, with fixed factor calculation

Parameter for Rental exposure period ="One Un-invoiced period+Payment term+Collection term""
In this example:
Exposure period =
- 1st un-invoiced period (1 week) +
- payment terms (30 days) +
- Collection period (7 days)
- Is a total of: 44 calendar days with 32 chargeable days in it.

Using the rental totals in the calculation with option "Until calculation date"
- Start date of the 1st un-invoiced period + exposure period= 14th of May
- Financial risk = 100*5days per week*6 full weeks + 2 days*100=3200

The financial risk for this example order to be included in the calculation of financial exposure is therefore € 3200 including the sales tax.

2.2.2.2.4 Work location extended

The work location and work location entity has been extended with the field "Credit management group". This field / value is used in the credit limit blocking or exclusion rules.
And allows for a setup to exclude rental orders with a certain work location from the Rental credit exposure calculation.

2.2.2.3 Rental exposure period recalculation batch job

The existing Recalculate credit limit batch job is adjusted to support the recalculation of the estimated balance for the rental order. The batch job will recalculate the estimated balance of the rental order lines and update the fields on the rental lines.

2.2.2.4 Customer balance

The customer balance form from the customer has been extended to include rental orders.
The Ordered line will not include rental orders.
A new line for rental orders is added.

A button is added to open a list of the rental orders affecting the customer balance.

2.2.2.5 Customer balance list with credit limit and estimated rental balance

Credit and Collections – Inquiries and reports – Customers – "Customer balance list with credit limit and estimated rental balance"

A new report has been made to show the rental balance per customer with the following information:

- Customer
- Credit limit
- Open balance (non-rental)
- Open balance(rental)

- Balance(posted transactions)
- Exceed amount (Credit limit – (balance+open balance(rental)+Open balance(non rental))

Customer balance list with credit limit and estimated rental balance
DynaRent Equipment Management Facility

Credit limit type: Balance+All

Customer account	Name	Credit limit	Open Balance (non rental)	Open Balance (rental)	Balance	Exceed amount
000001	From CE - Customer	989.898.988,00	0,00	27.420,69	171.383,86	0,00

This report can also be run with Exceed amount larger then zero, then the following information will be shown:

- Rental order ID
- line number
- Rental type
- Exposure period
- Exposure amount

2.2.2.6 Previous developed Credit insurance fields

The previous developed credit insurance fields on the Credit and collections parameter setup table have been moved to different fast tab.

2.2.3 Consumption based billing – Estimated usage and Usage driven

In previous releases, consumption based billing was released for invoicing the actual usage. With the release this functionality has been extended to provide an option to invoice on estimated usage(consumption charge) and usage driven.

Consumption-charge means that we use the consumption price for charging the consumption value.

Consumption-driven pricing means that we use the consumption price as a rental price per chargeable day, so consumption is only used for determining the consumption-driven price (consumption price tiers),so it will be invoiced as a rental price per chargeable day in invoice period.

2.2.3.1 Invoice profile extension

The Invoice profile has been extended to support differentiation between estimated usage and usage driven.

As option Estimated + Actual has been added. Using this option give possibility to choose between Consumption charge and consumption driven.

Consumption charge is used for estimated usage invoicing.

Consumption driven is used for usage driven invoicing.

2.2.3.2 Consumption group extended

Business objects->Setup->Consumption-based billing->Consumption group

The consumption group has been extended to differentiate between Consumption-charge and Consumption-driven.

Consumption ... ↑	Name	Consumption price type
B_RunHours	Running hours	Consumption charge
Bred_RH	Driven running hours	Consumption driven

2.2.3.3 Default estimates on the Rental order

To be able to invoice based on estimated usage, an option has been added to add estimated usage from the rental order header to all the lines.

With this function the user can define for this rental order what the estimated consumption for the consumption group is.

After creating, the system will ask the user if these values must be pushed to the rental order line, where the consumption group id matches.

On the rental order line, the user can see the estimated usage values and is able to adjust these per line.

2.2.3.4 Estimated usage – Consumption charge

Rental order lines with an invoice profile setup for consumption charge, will invoice per period based on the estimated usage.

Based on the estimated usage, the consumption based tiers for consumption charge will be retrieved from the rental agreement.

Consumption price

	Consumption group id	Consumption price type
	B_RunHours	Consumption charge
	Bred_RH	Consumption charge
	Bred_RH	Consumption driven

Where per rental period a consumption range can be setup.

Consumptio...	Re... ↓	Rental period	Consumptio...	Consumption unit	Multiplier	Active	Overriden	Consumption price	Consumption ...	Rental agreement nu...	Rental agreement level
Bred_RH	7	Chargeable	168,00	hr	3,20000000	☑	☐	32,00	hr	DEMF-002975	Rental type
Bred_RH	7	Chargeable	120,00	hr	3,00000000	☑	☐	30,00	hr	DEMF-002975	Rental type
Bred_RH	7	Chargeable	90,00	hr	2,00000000	☑	☐	20,00	hr	DEMF-002975	Rental type
Bred_RH	7	Chargeable	60,00	hr	1,00000000	☑	☐	10,00	hr	DEMF-002975	Rental type
Bred_RH	7	Chargeable	30,00	hr	1,00000000	☑	☐	10,00	hr	DEMF-002975	Rental type
Bred_RH	7	Chargeable	10,00	hr	1,75886525	☑	☐	17,59	hr	DEMF-002975	Rental type
Bred_RH	7	Chargeable	1,00	hr	1,00000000	☑	☐	10,00	hr	DEMF-002975	Rental type
Bred_RH	6	Chargeable	168,00	hr	3,00000000	☑	☐	30,00	hr	DEMF-002975	Rental type
Bred_RH	6	Chargeable	120,00	hr	3,00000000	☑	☐	30,00	hr	DEMF-002975	Rental type
Bred_RH	6	Chargeable	90,00	hr	2,00000000	☑	☐	20,00	hr	DEMF-002975	Rental type

When the object is returned and the final meter reading has been registered. Then the system in the final invoice will recalculate the actual usage, against what was invoiced as estimated usage. The difference between the two will be invoiced.

2.2.3.5 Estimated usage – Consumption Driven

Rental order lines with an invoice profile setup for consumption driven, will invoice the consumption price as a rental price per chargeable day, so consumption is only used for determining the consumption-driven price, so it will be invoiced as a rental price per chargeable day in invoice period.

Based on the estimated usage, the consumption based tiers for consumption driven will be retrieved from the rental agreement.

Consumption price

	Consumption group id	Consumption price type
	B_RunHours	Consumption charge
	Bred_RH	Consumption charge
	Bred_RH	Consumption driven

Where per rental period a consumption range can be setup.

	Consumptio... ▽	Re... ↓	Rental period	Consumptio...	Consumption unit	Multiplier	Active	Overriden	Consumption price	Consumption ...	Rental agreement nu... ▽	Rental agreement level
	Bred_RH	7	Chargeable	169,00	hr	3,10000000	☑	☐	218,55	day	DEMF-002975	Rental type
	Bred_RH	7	Chargeable	121,00	hr	3,00000000	☑	☐	211,50	day	DEMF-002975	Rental type
	Bred_RH	7	Chargeable	91,00	hr	2,40000000	☑	☐	169,20	day	DEMF-002975	Rental type
	Bred_RH	7	Chargeable	61,00	hr	1,80000000	☑	☐	126,90	day	DEMF-002975	Rental type
	Bred_RH	7	Chargeable	31,00	hr	1,70000000	☑	☐	119,85	day	DEMF-002975	Rental type
	Bred_RH	7	Chargeable	11,00	hr	1,60000000	☑	☐	112,80	day	DEMF-002975	Rental type
	Bred_RH	7	Chargeable	10,00	hr	1,50000000	☑	☐	105,75	day	DEMF-002975	Rental type
	Bred_RH	7	Chargeable	2,00	hr	1,10000000	☑	☐	77,55	day	DEMF-002975	Rental type
	Bred_RH	4	Chargeable	121,00	hr	3,50000000	☑	☐	246,75	day	DEMF-002975	Rental type
	Bred_RH	4	Chargeable	91,00	hr	3,30000000	☑	☐	232,65	day	DEMF-002975	Rental type
	Bred_RH	4	Chargeable	61,00	hr	3,00000000	☑	☐	211,50	day	DEMF-002975	Rental type

When the object is returned and the final meter reading has been registered. Then the system in the final invoice will recalculate the actual usage, against what was invoiced in the previous invoice periods. The difference between the two will be invoiced.

2.2.3.6 Adjusted forms and processes
With the introduction of estimated usage and consumption driven to Consumption based billing, additional fields have been added to the consumption based billing grid on the rental order line to display the correct information.

Part of the adjustments is made sure that:
The rental totals are correctly calculated and display the correct information.
The rental invoice periods are adjusted to correctly display the usage information.
Technical exchange is calculated between the usage and tiers over both lines.

2.2.4 Business object components
The business object component functionality has been extended with additional functionality.

2.2.4.1 Allow automatic return
The rental types used in the business object components can be setup to allow automatic return.

If during the return of the rental order line, in STAEDEAN Rental Management or STAEDEAN Rental Logistics Scanning(Return note and mass return) , any of the connected components of the set is returned, and the components are physically connected, then with the Allow Automatic return setup will allow these rental order lines to be returned automatically.

2.2.4.2 Return journal enhancement
On the return journal, the Return proposal has been extended with filters for business object components.

BUSINESS OBJECT COMPONENTS

Object type field

Stand-alone

Assembly business object

The object type field offers three options:

All   - no filters applied

Stand-Alone   - Only rental order lines are selected that are stand-alone. These are not registered as Assembly object or have components.

Component   - Offers option search and select rental order lines based of the Assembly business object. This object and the child lines will be added.

2.2.4.3 DFM values in STAEDEAN Rental Logistics Scanning

Part of the business object components feature, adjustments have been made to display DFM values during picking in STAEDEAN Rental Logistics Scanning. So support the request that specific component(business object) DFM values are displayed during picking. In the request also two fields for fuel were added.

In the Anywhere app parameters, within Rental and picking, this setup can be done.

Instead of showing the original 5 inventory dimensions from standard D365 in STAEDEAN Rental Logistics Scanning during picking, there is now flexibility to choose what to display.

Options are:

Inventory dimension:

- Batch
- Configuration
- Size
- Color
- Style

DFM Fields:

Any of the DFM fields setup in the system.

Fuel:

- Fuel type
- Fuel quantity

And this will look like this:

Picking

Picking route:	**20203 / 20203**
Warehouse:	**Depal / Depot Almere**
Rental order:	**146760 / The Steel Company**

	Customer	Item	Item name	Item classification	Serial number	Fleet number	Attribute 1	Attribute 2	Attribute 3	Attribute 4	Attribute 5
●	C00002	CupOffEspresso	CupOffEspresso	Serialized	COE-1	COE-1	ULZ	750	Medium	Orange	

2.2.5   Bulk added on Asset availability

Adjustments have been made to add Rental bulk values on the Asset availability form, based on rental transactions.

2.2.5.1 Changes and setup: Availability status expanded

Business objects – Setup – Fleet planning – Availability status

The Availability status form has been expanded two new fields, to allow the user to setup statuses which will be used for Bulk on the Asset availability form.

Bulk:

A checkbox, to mark that this status is used only for bulk.

Bulk status:

The data that will be shown for this status. As bulk does not work with Rental asset statuses, the data shown will be based on Rental transactions. The following options are available:

On-order: Displays the bulk quantity with a rental transaction of type ordered.
Picked: Displays the bulk quantity with a rental transaction of type picked.
On-rent: Displays the bulk quantity with a rental transaction of type on-rent.
On-hand: Displays the bulk quantity based on the older Rental on-hand.
Physical: Displays the bulk quantity based on the newer Physical Rental on-hand.

Rental asset status	Show on Availability form	Sequence on availability form	Bulk	Bulk status
Bulk On Order	☑	30	☑	On-order
Bulk On-Hand	☑	0	☑	On-hand
Bulk On-Rent	☑	50	☑	On-rent
Bulk Physical	☑	20	☑	Physical
Bulk Picked	☑	40	☑	Picked

2.2.5.2 Changes and setup: Asset availability form adjusted

When a rental type of type bulk is used, then the grid of the Asset availability is adjusted to display different values.

2.2.6 Expanded Business Object availability

Functionality around the Business object availability form has been expanded. The form can now be called from the rental order line and used for assigning business objects.

2.2.6.1 Business object parameters

Three new parameters have been added to the Business objects parameters form.

The Start date/time type and End date/time type field will be used when the users open the Business object availability graphical view from the rental order. Both parameters give the option to select from of all rental date/time options which are used on the rental order in the rental dates.

The parameter "Display orders based on their expected off-rent date/time" determines how orders are displayed in the Business object availability graphical view. With the value set to No, the box will be show as if there is no end/date time.
With the value set to yes, the box will be displayed until the expected off-rent date/time. If the rental order line receives an off-rent date/time, then this will be used.

2.2.6.2 Rental order (line) and the Business object availability graphical form

On the rental order (lines) two new functions are added. The user has now the option to directly jump to the Business object availability graphical form and to assign an object from the business object availability graphical form.

On the rental order line a new function is added to assign objects via the Business object availability graphical form.

Using this functionality will open the Business object availability graphical form, filtered on the rental order dates and the rental type. The user can select on this form a business object that is available, right click on a section in the planning and use the assign button to assign the object to the rental order line.

The Graphical from will display the rental order line immediately.

2.2.6.3 Business object availability graphical form filters
On the business object availability form the filters have been extended, to give the user more options to filter on data.

For direct access, filters are added directly on the grid and graphical form:

Further the filters in the Settings are extended:

The settings give now more options to filter on, coming from other released features, for example items, objects, fuel, components and DFM.

Concerning the performance, adjustments have been made to improve the performance. Although with these adjustments, if an user creates a query that gives a large number of lines for a long time period, the system could have it difficult. An additional field has been added, which can be used to define the maximum number of records that can be used on the overview.

2.2.6.4 Business object availability graphical form – Rental Transfer Orders
Functionality has been added to display objects that are in transfer on a Rental Transfer order on the business object availability graphical form.

Depending the filter on the warehouses, for both warehouses a box will be shown that the object is in transfer in that period.

2.2.7 Auto update Physical owner of Business object with Cross-company
Functionality has been added to auto update the physical owner of a business object when used cross-company on a rental order and rental transfer order.

2.2.7.1 Changes and setup: Business object physical owner update parameter
The business object parameters are expanded with the parameter: Allow automatic change of physical owner. With this parameter enabled:

Allow automated update of the Physical owner when the Business object is moved between two Legal entities during assignment to the rental quotation, rental order, rental order line picking, rental order line return and receiving of the rental transfer order.
2.2.7.2 Changes and setup: Business object physical ownership log
The business object physical ownership log form has been adjusted to allow overlapping first and last on-rent dates, within the same day. To support that an object can change more then once a day from legal entity.

2.2.7.3 Changes and setup: Allow for cross-company with rental type setup
In certain scenarios, some items should not be permitted for automated cross-company movements. This can be done with the following setup on the rental type.

2.2.7.4 Process adjustments: rental quotation and rental order
If a for cross-company allowed business object is assigned to the rental quotation or rental order and the legal entity in the business object physical owner field does not match the physical owner of the rental quotation/rental order, then the physical owner on the business object is adjusted to the physical owner of the rental quotation/rental order.

When the business object is unassigned, then the physical owner change on the business object is reversed.

2.2.7.5 Process adjustments: rental order picking
If a for cross-company allowed business object is picked in STAEDEAN Rental management(formerly known as DynaRent) or STAEDEAN Rental Logistics Scanning(formerly known as Anywhere for Rental) to the rental order and the legal entity in the business object physical owner field does not match the physical owner of the rental quotation/rental order, then the physical owner on the business object is adjusted to the physical owner of the rental order.

When the business object is un-picked, then the physical owner change on the business object is reversed.

Picking list displayed over all legal entities
The picking list in "STAEDEAN Rental management" and "STAEDEAN Rental Logistics Scanning" are adjusted to display all lists over all legal entities, to support automation and a global way of working. This can be enabled by turning on the new parameter "Cross company picking list registration" in the Rental parameters.
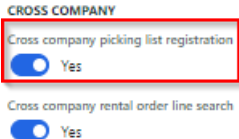
The legal entity field is added as column to the picking list form, to be used as filter.

2.2.7.6 Process adjustments: rental order return
Business objects returned to the warehouse in another legal entity then the current Business object physical owner, will be updated to the warehouse source legal entity.

During the Return note or Return journal the business objects physical owner legal entity will be compared to the legal entity of the return warehouse. If these are not equal, then the physical owner will be updated.

This applies for "STAEDEAN Rental management" and "STAEDEAN Rental Logistics Scanning".

2.2.7.7 Process adjustments: Rental transfer order receival
Also during the receival process of the rental transfer order, the business object physical owner will be updated if the legal entity is different to the legal entity of the receiving warehouse.

This applies for "STAEDEAN Rental management" and "STAEDEAN Rental Logistics Scanning".

2.2.7.8 Process adjustments: Rental order line search

To support a more global search of rental order lines, the following changes has been done:
In the rental parameters the checkbox "Cross company rental order line research" has been added. With this checkbox, the user will get access to the "Search globally" checkbox on the Rental order line search form.
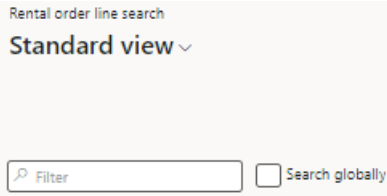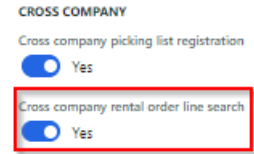
On the rental order line search form a column with the legal entity of the rental order line is added.

These changes allows the user to see rental order lines from all Legal entities irrespectively to his current Legal Entity.

2.2.8   Hard-Soft journal

Functionality created with a customer and after being requested by other customers, brought to product. This will be the first version, with adjustments coming in the next releases.

Rental order lines added to return journals that match the setup for hard/soft journals will be marked with a checkbox, blocked for invoicing. After the return journal is posted, or the line is removed from the return journal, then the blocked for invoicing checkbox will be removed.
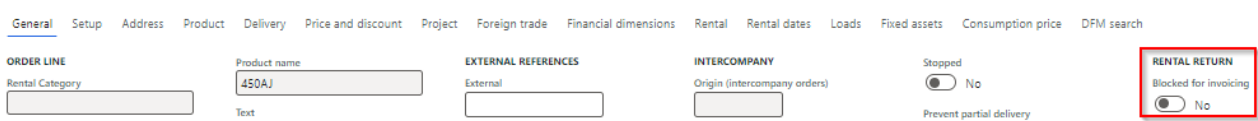
The checkbox Blocked for invoicing on the rental order line can be used as filter in standard rental order invoicing, to exclude the rental order line. Adjustments are planned in the future to add this to project rental order invoicing.

2.2.8.1 Changes and setup

In the tab Extended transport, with in the work order parameters, two new fields are added for this functionality. Journals created by journals setup in these fields, will mark rental order lines with blocked for invoicing. There is no other significant difference between the two journals, other then to help to user identify what type of journal is used.
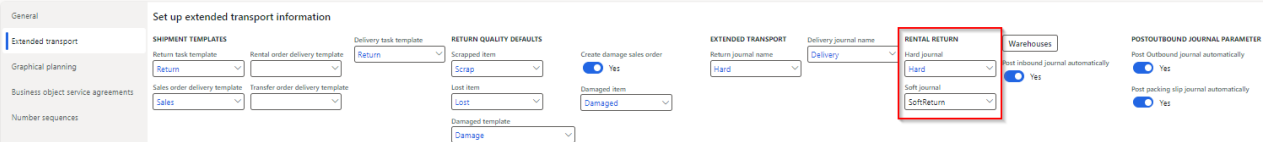
Rental return: Hard journal
The user will use the hard journal when it is clear on what actually will return. Any line not returned can be marked as missing. An open journal of this type requires a users attention.

Rental return: Soft journal
The user will use the soft journal when it is not clear what will be returned exactly. It will be filled with a range of lines, and everything not returned is removed from the journal. This journal can easily be cleaned up.

2.2.9 Business object locations

The business object location log has been extended with the fields site, warehouse and location to keep better track of rental equipment in logistic warehouse processes.

This can be used for business objects that have locations setup in their Storage dimension group. The location will be updated for serialized business objects, for bulk business objects this will not be stored.

The location log is expanded with the location dimension, but the rental transactions have not been adjusted, these stay on warehouse level.

2.2.9.1 Business object location Configuration key

All business object related functionality can be enabled by turning on the "Business object locations" configuration key with in the License configuration.

2.2.9.2 Setup and Changes for STAEDEAN Rental Management
2.2.9.2.1 Warehouse: Outbound location

Inventory management > Setup > Inventory breakdown > Warehouses

The field Default outbound location has been added to the warehouse page. With this field the user can setup per warehouse what the Default outbound location is, that is to be used in the processes.

2.2.9.2.2 Warehouse items: Outbound location

Product information management > Products > Released products > Manage inventory(Action tab) > Warehouse items

The field default outbound location has been added to the warehouse item page. With this field the user can setup per item what the default outbound location is, that is to be used in the processes.

2.2.9.2.3 Copy warehouse locations in all legal entities
On the Inventory locations the field "Disable sync cross company data".

Default setting is yes, based on the Legal entity setting "Disable sync cross company data".
If the legal entity setting "Disable sync cross company data" is No, then the value will be no and the location will be shared across all legal entities. User is able during location creation to mark the field with yes, to prevent sharing.

2.2.9.2.4 Site, warehouse and location added on Business object and BO location log

The Business object Current Address and the business object location log has been expanded with the fields Site, warehouse and location.

Every time a business object location log is created, these fields will be updated or removed. For all actions on a business object while its in house, the changes of the location will be registered. For actions where the object is rented out or sold, the fields will be emptied.

Most relevant processes which update the location log are adjusted to support location update. These process are adjusted and offer the user access to define the To location field.

Think of:

- Purchase order (receipt)
- Intercompany SO/PO
- Production
- Rental transfer order
- Rental transfer journal
- Inventory to fixed asset journal
- Fixed asset to inventory journal
- Rental order picking
- Rental order picking with STAEDEAN Rental Logistics Scanning
- Rental order packing slip
- Rental order return
- Rental order return journal
- Rental order return with STAEDEAN Rental Logistics Scanning
- Rental counting
- Sub-rental orders

2.2.9.3 Setup and Changes for STAEDEAN Rental Logistics Scanning

2.2.9.3.1 Outbound location scanning

In the parameters a new option have bene added to enable the user to scan the outbound location during picking. This will place the picked equipment on the outbound location that is scanned.
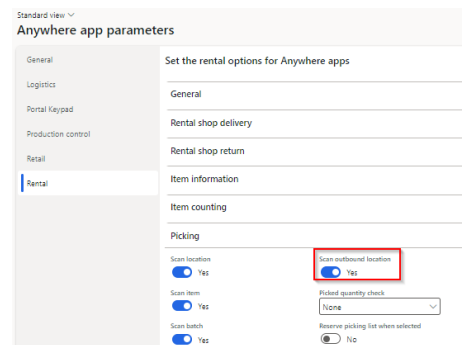
2.2.9.3.2 Rental Transfer journal

In the STAEDEAN Rental Logistics Scanning a new option has been added to setup the journal that needs to be used when a Rental Transfer Journal is created within the app.
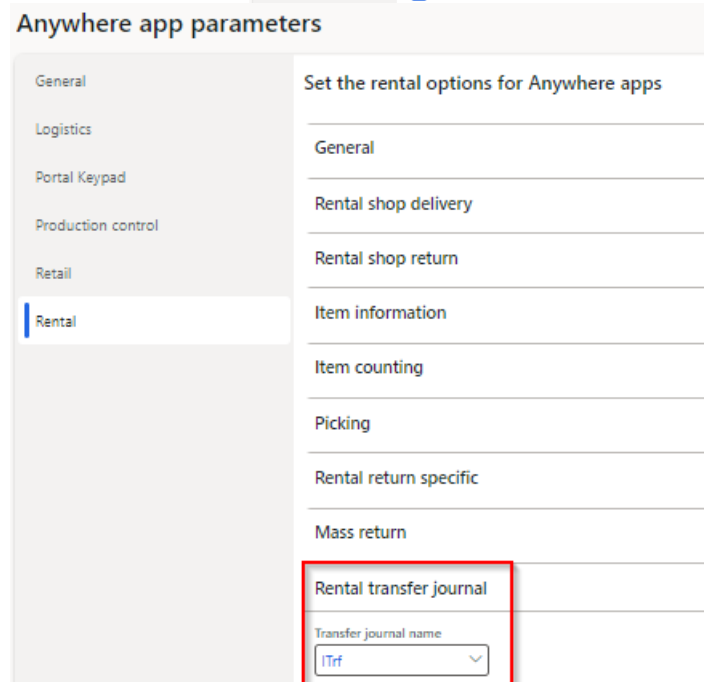
2.2.9.4 Rental Transfer Journal

The Rental Transfer Journal(RTJ) has been added new to STAEDAEN Rental Management and STAEDEAN Rental Logistics Scanning.

The Rental Transfer Journal will allow the user to move the Rental equipment with in the warehouse between locations. As the Rental Transfer Order functionality can only move equipment between warehouses.

In the business objects module, within Periodic the function Rental Transfer Journal has been added.

This menu item will give the user access to the RTJ functionality. After creating a journal, the user has access to add business objects that needs to be moved between locations.
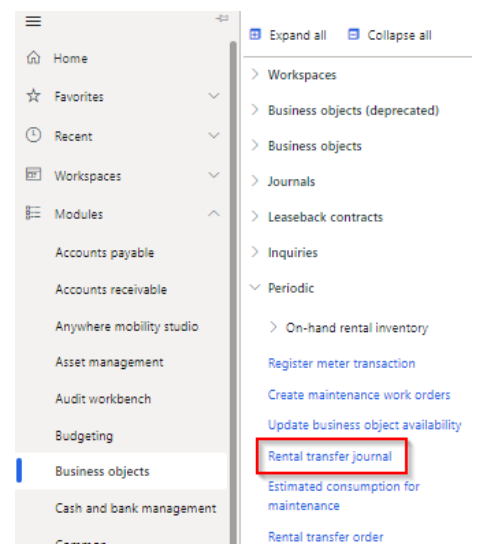
Example of a Rental Transfer Journal:

After posting the RTJ, the object will move from location DA_01 to L01. This will be updated in the business object location log.

In STAEDEAN Rental Logistics Scanning the user has the option to start Rental Transfer Journals created in STAEDEAN Rental management or create a new RTJ. Newly created RTJ's are synced with F&O.
Rental Transfer Journal can be found as a tile.

Rental Transfer Journal

After this menu option, the user has access to search for RTJ created in F&O or create one directly.

2.2.9.5 Picking in STAEDEAN Rental Logistics Scanning
This applies for Rental order picking and Rental Transfer order picking
While the rental order picking process in F&O is adjusted with an additional field, the picking process in STAEDEAN Rental Logistics Scanning is expanded in a large way, to support the picking process with the from location and to location.
After creating a Rental order and picking list in F&O, open the picking list in STAEDEAN Rental Logistics Scanning.
When the user starts picking the line, the system will give him the option to scan the location where the object is picked up.

Picking

Picking route:	**20201 / 20201**
Rental order:	**146751 / The Steel Company**
Loc/Whs:	**DA_01 / Depal**
Scan loc.:	DA_01

On the next page, a picking overview is displayed with the pick location and the drop location, provided by the picking list from F&O.

Picking

Item:	**WLOC / With Location**
Business object:	**DEMF-019781 / 017594-1 / 017594-1**
Category:	**Rental**
Depot:	
Expected off-rent date:	**31-8-2024**
Technical available:	**Yes**
Pick Location:	**DA_01**
Drop Location:	**DA_01**

As next page the user is able to scan the actual drop location, named as dock location. The user can scan the location here, where he is dropping the equipment.

Picking

Picking route:	**20201 / 20201**
Rental order:	**146751 / The Steel Company**
Dock:	**DA_01 / DEPAL**
Scan dock:	DA_03

After finishing the picking, the object is picked and the location is updated with the drop location.

2.2.10 Estimated consumption for Maintenance

Estimated consumption for maintenance(ECfM) has been added in this release. With ECfM the creation of work orders for default maintenance plans can be triggered for objects that are rented out based of a estimated consumption usage per day. This allows you to send a service resource to the customer to perform maintenance on location.

2.2.10.1 Changes and Setup: Default maintenance plans
The default maintenance plans are expanded with two new fields:
Use for estimated maintenance:
Created maintenance plans created with this enabled, qualify for the process.
Estimated maintenance advance margin:
The number of days the estimated maintenance can be triggered in advance.

Newly created Default maintenance plans for objects will take over these values.

2.2.10.2 Changes and setup: Rental order estimated maintenance value

In the rental order line details, within the Rental tab a new field is added called Estimated consumption per day for maintenance. With this field the user can setup for that particular rental order line the estimated usage per day, which will be used in the calculations.

2.2.10.3 Changes and setup: Estimated consumption for maintenance batchtask

In the module Business objects, within periodic, the function "Estimated consumption for maintenance" has been added. This function will search for the rental order lines and business objects valid for the process, calculate the estimated consumption and create if required the work order for the default maintenance plan.

2.2.10.3.1 Batch task data selection:

To select the right rental order lines and business objects valid for the process, the following query will be performed.

- Search for all default maintenance plans, connected to business objects that have the checkbox "Use of estimated maintenance" enabled.
- Validate if these business objects are delivered on a rental order line.
- For the delivered business objects, retrieve the value from the field "Estimated consumption per day for maintenance" on the rental order line.
    - If the value is 0, do not select this object for calculation.
    - If the value is larger then 0, select this object for the calculation.

2.2.10.3.2 Estimated maintenance calculation

Retrieve the On-rent date and retrieve the last meter reading from the meter that is connected to the default maintenance plan. If the date from the meter reading is older than the on-rent date, use the on-rent date in the calculation. If the date from the meter reading is newer than the on-rent date, use the date from the meter reading in the calculation.

Take the date and calculate the number of chargeable days until the current date + the number of days that are set up in the new field "Estimated maintenance advance margin". The calculated amount of days is set against the value from the rental order line in the field "Estimated consumption per day for maintenance".

This will give us a calculated estimated usage for the calculated chargeable days. This amount is compared to the "Next maintenance" value on the default maintenance plan.

If the added values would be larger than the "Next maintenance" value on the default maintenance plan, trigger the creation of the work order from the default maintenance plan.
If the added values would not exceed the "Next maintenance" value on the default maintenance plan, then no action.

Example:
Invoice profile	=Chargeable days
Rental calendar	=07
Meter trans value	= 100
Last meter reading date	= 12-2-2024
On-rent date	= 21-4-2024
"Estimated consumption per day for maintenance"	= 10
Next maintenance	= 200
Estimated maintenance advance margin	= 7 days
Current date	= 24-4-2024

The batch job runs today. Time between the on-rent date and current date + 7 = 10 days.
10 times 10 = 100
100 meter reading + 100 calculated = equal or larger than 200 next maintenance.
A work order from the default maintenance plan is generated.

2.2.11   Multi Order Amendments
Multi Order Amendments will bring the user functionality to adjust multiple rental order lines, over multiple rental orders at the same time. This allows the user to adjust more rental order lines in a shorter time frame, with as a result less time spend on adjusting single rental order lines.

2.2.11.1   Reason codes
The reason code table has been expanded with two new values.
- Periodic price update
- Rental line editor

If a change on a rental order line has been performed by multi order amendments, then this reason code is saved in the amendments.

In the rental line editor, the reason codes are added. The user can now select reason codes in the rental line editor. These will be saved in the amendments.

Adding this functionality will give insight later, if need be, by which action the rental order line was adjusted.

2.2.11.2   Rental parameters
The rental parameters have been expanded with two new parameter fields.

The parameter "Skip price update approval" allows the user to skip the approval process. This functionality will be added in the next release.

MULTI ORDER AMENDMENTS
Skip price update approval
🔵 Yes

Include consumption price
⚪ No
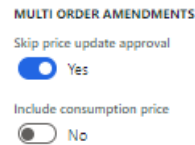
The parameter "Include consumption price" allows the user to adjust consumption prices in the multi order amendment functionality.

2.2.11.3   Multi order amendments

Rental order management – Periodic – Multi order amendments

The new functionality can be found in the Rental order management module within Periodic.

Using this new menu item will open the following form:
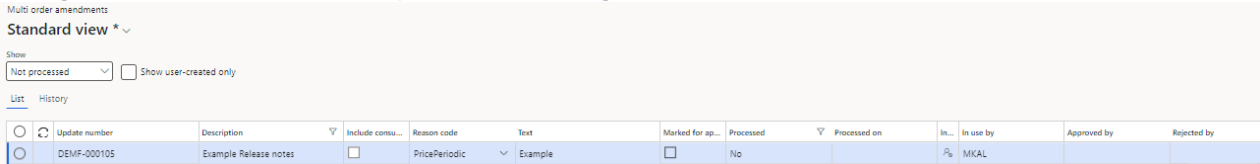
In this form the user can create a new journal or open a existing journal.

When a new journal is created, it will contain no lines.

Lines can be added with the Query option.
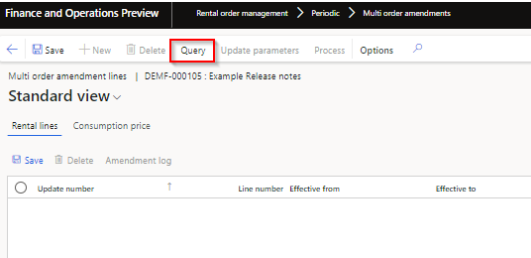
This will open the Multi Order Amendment query form.

In this form the user can use the Filter functionality to define with rental order (lines) should be added to the journal.
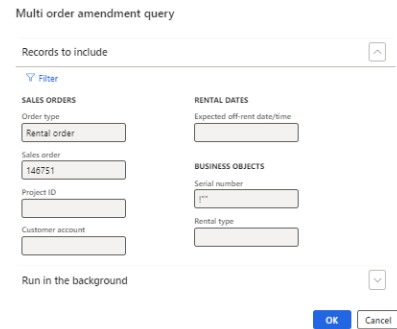
After clicking Ok, the lines will be added to the journal.
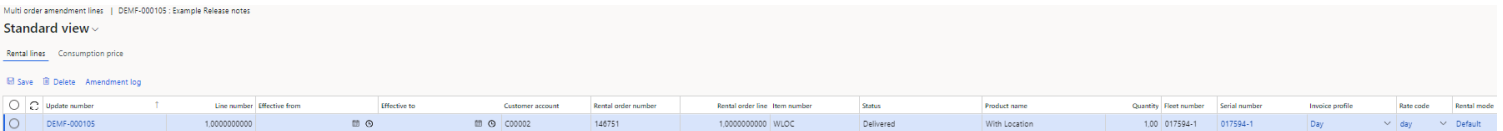
With the function "Update parameters" the user has to option to define changes, which will apply to all lines in the journal.

Using the function Update parameters, the update parameters form is opened.

On the picture below, all options are visible that the user can use to update all the lines in the journal.

Update parameters

Effectivity ⌃

EFFECTIVITY

Effective from	Effective to

Gross price updates ⌃

RENTAL LINES	**CONSUMPTION LINES**
Rental order lines	Consumption prices
⬤ No	⬤ No
Percentage based	Percentage based
⬤ No	⬤ No
Percentage change	Percentage change
0,00	0,00
Amount based	Amount based
⬤ No	⬤ No
Gross price change	Gross price change
0,00	0,00

Other updates ⌃

REQUESTED DELIVERY DATE
⬤ No

ON-RENT DATE
⬤ No

EXPECTED OFF-RENT DATE
⬤ No

OFF-RENT DATE
⬤ No

INVOICE PROFILE
⬤ No

RATE CODE
⬤ No

RENTAL MODE
⬤ No

RENTAL CALENDAR
⬤ No

RENTAL DISCOUNT %
⬤ No

[OK] [Cancel]

After updating all the lines from the Update parameters function, the user has still the option to change certain values directly on the journal lines.

This document does not describe all the options that the user can change with the Multi order amendment update to the rental order. But it covers most of the options that a user would change on a rental order lines, including consumption price fields.

Rental lines Consumption price

Customer account	Rental order number	Line number	Fleet number	Serial number	Consumption group id	Meter	Consumption ...	Consumption ...	Multiplier	Current Gross ...	New Gross con...	Discount %	Current Net co...	New net consu...	Estimate consu...	Per
Con_Bred_Usage01	145301	2.0000000000			Bred_RH		hr	70.50	1.83191489	129.15	0.00	10.00	116.24	0.00	40.000	week

After validating the changes, the user can use the Process function to push all the changes to the rental order lines. Changes that normally would create a rental order line amendment, will also now

create a rental order line amendment to register the change.

The process function can be run manually or in batch. For large volumes, the batch function is advised.

Not part of this release, but coming in the next release:
Review and approval functionality of the journal(lines)
Report to validate difference between journal and the adjustment

> It could happen that the rental order line is changed in the time between the Multi order amendment is created, validated, reviewed, approved and processed. Running this report will validate if there is difference between what is expected and what is currently on the rental order. The user then has the option to manually validate on the rental order why there is a difference and take required actions.

2.2.12   STAEDEAN Rental Mobile Operations – Field service app

As informed earlier this year, the new STAEDEAN Rental Mobile Operations will be released. The new mobile app will consist out of three different apps, each focused on a specific domain.

The first app is called STAEDEAN Rental Mobile Operations – Field service app.
And this app is focused on the maintenance domain.

More information can be found in the STAEDEAN Rental Mobile Operations – Field service documentation added within these release documents.

2.2.13   STAEDEAN Rental Mobile Operations – Transportation app

As informed earlier this year, the new STAEDEAN Rental Mobile Operations will be released. The new mobile app will consist out of three different apps, each focused on a specific domain.

The second app to be released is called STAEDEAN Rental Mobile Operations – Transportation. The transportation app is focused on inbound and outbound related transportation tasks.

This app is released in beta version, as improvements are still made to the app.

More information on the transportation app will be shared in the October release.

2.3   Change requests

2.3.1   167165 - Kit price not updating
The calculation of the rollup kit price has been adjusted. The rollup kit price will not contain Rental order lines marked as 'Exchanged" and rental order line in status canceled and invoiced. The rollup kit price is updated when the rental line editor is used.

2.3.2   169794 - Ability to use work order functionality with rental transfer orders
The rental transfer order functionality has been expanded with work order functionality. It is now possible to create work orders from the Rental transfer order header and/or lines. Updates on the work order task will reflect on the Rental transfer order.

2.3.2.1 Setup:

2.3.2.1.1 Default order settings

Default order settings on the release product has been extended for Rental transfer order values.

2.3.2.1.2 Work order template

The section Synchronization mode on the work order template form has been extended to support setup for Rental transfer journal.

This setup related to the Ship date, Ship time, Receipt date and receipt time on the Rental Transfer Order line.

2.3.2.1.3 Work order task
On the work order task a new field called Transfer type has been added. With this field the user can define the action the work order task must perform on the Rental transfer order.

- None: No action
- Shipment: Trigger the Shipment with the work order task update to completed
- Receive: Trigger the Receive action with the work order task update to completed.

2.3.2.1.4 Rental transfer order form adjusted for work order template
On the header of the Rental transfer order form the field Work order template ID has been added, to support creation of a work order from the header.

On the line details of the Rental transfer order lines the field Work order template ID has been added, to support creation of work orders per line.

2.3.2.2 Process:
2.3.2.2.1 Rental transfer order line creation
When a line is added to the rental transfer order, then based on the default order settings, the work order template is copied to the rental transfer order line. If there is not work order template copied, the user is allowed to enter a work order template.

2.3.2.2.2 Work order creation
As the work order has no confirmation, a button has been created to trigger the creation of the work orders based on the connected work order templates.
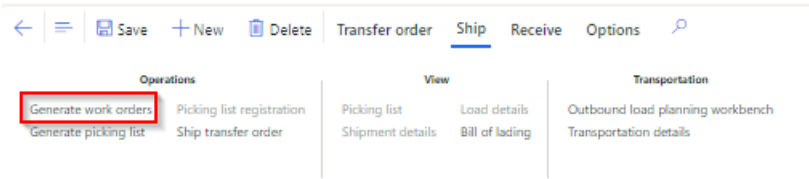
2.3.2.2.3 Work order template validation

The system will validate during the following menu actions if a work order is created, when there is a work order template connected.

1. Generate picking list
2. Picking list generation
3. Ship transfer order

If the validation indicates that there are no work orders created, then it will give the user the option to create them.

2.3.2.2.4 Work order task enhancement to ship / receive

The posting status setup on the work order tasks has been enhanced to support the update from the work order task to the Rental transfer order. If the work order task is setup for Invoiced, and the task is changed to this status, then process will Ship / Receive the Rental Transfer order line from the work order task.

2.3.3   174566 - Add "Return warehouse" column on Rental order line search screen

The Return Warehouse field has been added to the rental order line search data source. User can now add this field as column and use it as filter.

2.3.4   174959 - Asset availability and on-hand corrupted with return to a different return warehouse for sub-rental objects

The return warehouse has been added to the return process for sub-rental objects. If an sub-rental order is now returned via a rental order in a different warehouse, before being returned to the vendor, the system will create the correct transactions(asset availability and on-hand), to ensure correct quantities in the warehouses.

2.3.5   180145 - Add project id to All Rental order line search

On request for a customer added the Project Id as column and search function to the Rental order line search form. This allows the user to search for rental order lines based on project id.

Rental order line search
Standard view ⌄

Item number   Requested rental type   Project ID

Warehouse   Sub status

Filter   ☐ Search globally

2.3.6   190165 - Possibility to define supplementary of components inside SET

Within the existing kit functionality on rental orders, items in the kit, which have supplementary items, will automatically act as sub-kit. As result they will not contain their own price, but the rollup price from the child lines. With the adjustment of this change request, the user can define on the rental type if that rental type is used as kit or as standalone. Resulting in that items in the kit, that have child lines will behave differently depending on the setup.
If the type is Kit, its pricing will behave as kit rollup pricing.
If the type is standalone, its will have its own price, and the child lines will have their own price.

The price of the main kit item will still consist of all prices, except for the item lines that have a rollup price.

3.   Discontinued features for this release

Credit note
Starting 2024 the Credit note functionality on the rental order and the Credit approval in the rental order management list page will be discontinued, as this will be replaced by the (project) Rental credit wizard.

Rental line editor v1
Starting 2025 version one of the rental line editor will be replaced by rental line editor version 2, which is already available as configuration key.

Business object v1
Starting 2025 version one of the business object form will be deprecated(removed), and thus all customers should move from business object v1 to the new business object version 2, which is available as config key.

The reason of switching from business object v1 to the new business object v2 is to improve the performance. The biggest change is that the information of different log tables is stored in one table named BOBObjectCurrentInfo, which stores the "Current" information of the business object.

Don't forget to use the migration tool, which is available when Business object v2 is turned on as config key. The migration tool can be found in the module Utilities, under the header Data and is labelled: Business object view v2 data migration. The migration script brings the information from the different log tables into the table BOBObjectCurrentInfo.

Part of this change, in this release, the existing business object v1 will be labelled Business object (deprecated).
Business object v2 will change from Business object (preview) to Business objects.

4.   Bug Fixes

This chapter contains the bug fixes for STAEDEAN Rental management, STAEDEAN Rental Logistics Scanning and STAEDEAN Rental Mobile Operations. Formally known as DynaRent, Anywhere for Rental and DynaRent Mobile.

4.1   STAEDEAN Rental management

4.1.1   171889 - Error with Return Quality Inspection containing 2 similar lines

A rental order can contain more then one line of the same bulk item. If the return quality inspection journal is used, these can be created as two lines. As long as both were in status good quality, the lines could be processed. But if one line was marked as damaged/lost, an error would be given, as only one line of an bulk item is allowed. This restriction has been removed.

4.1.2   180705 - Dimension values of type value not showing after update on hour journal

Dimension attributes setup as value, in combination with the hour journal were not re-populated correctly on the dimensions when for example the resource was changed. As the validation didn't register the change. This has been fixed.

4.1.3   186212 - System doesn't recalculate the price tiers when we off-rent/return in the invoiced period with lower tier

The system didn't recalculate the price tiers on the rental order line when the line was off-rented/returned in the invoiced period, when it would fall into a different tier.

4.1.4   187267 - Rounding issue in calculation rental gross/net amount when the price tiers applied.

In some scenarios with (re)calculation of the rental gross amount with price tiers a rounding issue could apply. As a solution a new option has been added to currencies, for each currency a rounding rule for rental/sub-rental can be setup. The rounding rule is applied for all scenarios' were the price tiers multiplier are used.

4.1.5   188182 - RLE - Prices not updated according to tiers in Rental agreement

Rental order lines with price tier multiplier calculation on "When created", did not retrieve the price tiers, but stayed on value 1. This was caused by development done on 177055, released in January. This has been fixed.

4.1.6   188628 - Service plan board cannot be opened if Availability mode is set to Disabled

Issue was caused by performance improvements. This has been fixed.

4.1.7   188701 - Main kit item displays selected subkit items price after transfer to project from quote to rental order

While transferring a (project) rental quote to rental order, the main kit line would receive the price of the selected sub-kit. Instead of maintaining it's own calculated kit price.

4.1.8   188747 - Improve performance of the Business object graphical availability screen

As part of the new development on the Business object graphical availability screen, additional work has been done to improve the performance of this form. Also an additional parameter has been introduced to define filter results for quicker performance.

4.1.9   188786 - Changed amount on transfer to project form is not transferred to posted hour journal

It seemed to be possible to change the amount on the transfer to project form when posting the invoice. This didn't work anymore, but the field was still editable. Which resulted in a request to make it work again. In consultation with finance consultants it has been decided to close the field permanently. If the amount of an invoice must be changed, it has to be done in the project.

4.1.10   189077 - Dragging and dropping a task on a resource in the SPB gives an error message

With the introduced multi-task dropping, the code expected that the lines were selected before drag and dropping. If the user would start a drag and drop action, without selecting the line, an error message would be displayed. This has been adjusted to support this action.

4.1.11   189480 - Service Exchange of other Rental Items

When a commercial/technical exchange is executed on a rental order line, which contains child lines(supplementary items), then these lines would not inherit the off-rent date. This has been fixed.

4.1.12   189976 - Business object latest location log is updated incorrectly for rental transfer orders.

When business objects are relocated via the rental transfer order functionality, then the business object location log was not correctly updated.

4.1.13   190215 - Investigate items do not receive sales price with item requirements
Sales items from work order task item requirements did not receive a sales price when added automatically. While adding manually, the price was populated correctly. This is fixed.

4.1.14   191539 - Not able to drag and drop tasks in transport plan board (delivery & return)
An error occurred, resulting that not all tasks could be drag and dropped on the transport plan board, this has been fixed.

4.1.15   191558 - Financial dimensions with Dimension attribute setup cannot be edited
A customer reported that the financial dimension with dimension attribute setup could not be edited, for example on the rental order line.

4.1.16   191761 - CS00226239 - Damage and Manco workorders not visible via rental order
Generated damage and manco workorders from the quality inspection journal were not visible via the rental order.

4.1.17   192041 - Unable to generate any commercial invoice through D365
As part of performance adjustments, the ShippingCarrierId, ShippingCarrierServiceId were removed from the DNRRentalOrderHeaderEntity. This affected a customer. Fields have been restored.

4.1.18   192072 - Change date in Project Rental Quotation would give error with kit lines
Changing the date on a project rental quotation would give an error if kit lines were included.

4.1.19   192181 - Change date price tier recalculation does not trigger correctly when using KITs
When using the change date functionality on the rental order, it would trigger correctly the price tier recalculation when used in combination with kits.

4.1.20   193094 - Meter transaction import not linking to rental order line
Imported meter transactions were not linked to the rental order line that was provided.

4.1.21   194037 - Validate display field RORDisplayCurrentNetPrice on rollup kit pricing
The calculated field Current net price has been adjusted to also work with rollup kit pricing.

4.1.22   194329 - Meter transactions import >linked to rental order line, does not import in correct time
Imported meter transactions, connected to a rental order line, were imported with a incorrect time.

4.1.23   194655 - Converting quote to order discount of subkit is used instead of main kit

When converting a quote to order the system used the discount of the subkit for the main kit, instead of the discount of the mainkit.

4.1.24   194784 - Manually adding lines(Bulk/Serial) to return journal gives error

The return journal would give an error when the user would manually add lines(Bulk/Serial).

4.1.25   194866 - Invoicing not possible when there are more then 27 periods already invoiced

The query used for invoicing of orders would reach a limit, when the orders run for a long period. Resulting in the order not being able to be invoiced.

4.1.26   194894 - Getting an error when attempting to post return note on older order lines

The query used for posting the return note, ran against the same limit, as ticket 194784, resulting in old orders not being able to be returned.

4.1.27   195144 - Standard AX receive registration gives error on rental transfer order

On the rental transfer orders the option to register items to be received was available, but not integrated. This has now been integrated to work with rental transfer orders.

4.1.28   196199 - Transport plan board drag and drop planned tasks does not update resource planning in task (work order line)

Drag and dropping already planned tasks on the transport plan board, would not be updated in the resource planning on the work order line task. Resulting that the task would return to its original planned location.

4.1.29   196488 - ODATA error on rental order header entity

A customer would like to use the DNRRentalOrderHeaderEntity to delete Rental orders, that could be deleted. Due to that the salestype is not imported, the salestype was defaulted to a wrong value and the process was blocked.

4.2   STAEDEAN Rental Logistics Scanning

4.2.1   188358 - Sales item with product variants cannot be picked in a4r

Sales items with product variants were not able to be picked in STAEDEAN Rental Logistics Scanning. This has been fixed.

4.3　STAEDEAN Rental Mobile Operations

4.3.1　189977 - Confirmed Work orders create blank transactions in the ti_DNRMobileWorkOrderLineAdditionalNote table

The blank transactions were created, due to support for the offline capabilities. This would in some cases result in a error. This has been resolved for the old DynaRent mobile app. This issue will ot occur in the new STAEDEAN Rental Mobile Operations app as it will not work with such a data entity.

5.   Known Issues

STAEDEAN Rental Management
NOTE: Microsoft is investing heavily in Dual-Write as synchronisation tool instead on Data Integrator, it is Microsoft's advice to use Dual-Write. Dual-Write is a near real-time (1-10 seconds) solution and Data Integrator a batch-driven solution which is always slower in displaying information, however Dual-Write can still be "slow" as some synchronisations take a minimum of 5 seconds, which can't be made faster.
Also Dual-Write has its limitations, known issues and unsupported features which are described in the Mapping Concept pages of Dual-Write, see the Dual-write home page - Finance & Operations | Dynamics 365 | Microsoft Learn.

NOTE: Microsoft is continuously adding new features in the application directly and via Feature Management. Sometimes these are public preview and will be made generally available in future releases, in other cases, they are already general available, and you have the choice to activate them.
Currently, we are not testing compatibility with all new features or combinations.
Once a feature is enabled at the customer environment and in case of any issues or questions related to new standard features and our solutions, kindly contact us via Staedean support.

Known issues for the release
Microsoft feature: Match the detail for vendor invoices
Unfortunately, it was discovered during testing that the sub-rental invoicing with variances functionality which was released with number 109281 in the 10.0.13 release is affected by Microsoft's feature "Match the detail for vendor invoices". Please keep this feature turned off if you're using the sub-rental invoicing with variances functionality. We will look at compatibility with this feature in the upcoming period.

STAEDEAN Rental Mobile Operations
o   Depending on your licensing model, you might encounter an exception when synchronizing the
data from Finance and Operations to the local device, stating "The per app limit for storage has been exceeded. Reduce the amount of data to be stored or use Clear Data to free up space." If this is the case, please review your licensing model and purchase additional licenses as required.

o   Sometimes, even though resource is configured correctly, first time configuration on mobile app triggers message saying that resource must be filled in. This is not a consistent repro. Try to create Work order from D365 FO and then try the same on mobile app, you can get rid of this ad-hoc issue.

6. Data entities

6.1 Data entities for import / export

Please refer to installation guide for technical details.

Changes for this release

The rental agreement entities have been updated for consumption based billing.

Known issues for this release

Rental shop card entity- shop card activation along with new card import does not work in this version. The rental shop cards should be imported in inactive mode and then activated manually.

6.2 Data entities for Business intelligence

Refer to installation guide for technical details.

Refer to installation guide for technical details.

Known issues for the release

Some entities contain fields of the type datetime. Finance and Operations stores the information of these fields as UTC datetime in de SQL database table. To be able to transform this datetime to local time, an extra field is available in the SQL table containing the time zone id Due to a technical limitation this information is not yet available and will be transformed in the BI data warehouse to a local time, based on a fixed value. It is expected that this issue will be solved in the next release.

Changes for this release

Below a list with the major changes and impact of the modified data entities for this release. For further information you can contact our support department to provide additions services and/or training to assist in case needed.

6.3 Data entities for Rental Customer portal

Setting up/implementing the 'Rental Customer Portal' requires the setup of data integration projects to synchronize data from Finance and Operations to Dataverse.
One of the data integration projects that needs to be set up is the data integration project for synchronizing sales invoice line data. A data integration project uses a data entity to fetch data from Finance and Operations.
If you have a data integration project set up for synchronizing sales invoice line data and this data integration project makes use of the 'SalesInvoiceLineV2' data entity (i.e., 'Sales invoice lines V2'), then please create a new data integration project that makes use of the 'SalesInvoiceLineV3' data entity (i.e., 'Sales invoice lines V3'), as the 'SalesInvoiceLineV2' data entity is not supported anymore.
Please refer to the STAEDEAN Rental Management Customer Portal release notes for further details.

7.   Configuration keys

This chapter contains a summary of all the configuration keys that are included in this release, along with the functionality they implement. If you are not using the functionality, please disable the corresponding configuration key. More information on how to disable configuration keys can be found here.

Configuration key	Purpose	Recommendation
STAEDEAN Rental Management CE Integration	Supports the STAEDEAN Rental Management CE product and functionality	Disable if the STAEDEAN Rental Management CE product is not being used
STAEDEAN Rental Management PowerApps	Supports the STAEDEAN Rental Management Mobile product and functionality	Disable if the STAEDEAN Rental Management Mobile product is not being used
Rental customer portal	Supports the STAEDEAN Rental Management Customer portal product and functionality	Disable if the STAEDEAN Rental Management Customer portal product is not being used
Rental data entities (BI)	Support the STAEDEAN Rental Management BI product and functionality	Disable if the STAEDEAN Rental Management BI product is not being used
Keep deleted DynaRent * objects	Objects that have been deprecated between certain periods	Disable after usage of the deprecations have been refactored
Deprecated features	Objects that have been deprecated	Disable after usage of the deprecations have been refactored
On-hand rental inventory	Support the on-hand rental inventory functionality	Enable
Fleet number	Support the fleet number functionality	Enable
Additional notes	Additional notes on work orders	Enable
Rental dates	Supports the rental dates functionality	Enable
Rental invoicing	Supports the rental invoicing functionality	Enable
Rental shop	Supports the rental shop functionality	Enable
Tax matrix	Support the tax matrix functionality	Enable
Assign serial	Supports the assign serial functionality	Only enable when you want to use this functionality (by default it is disabled)
Anywhere for Rental	Supports Rental specific Anywhere applications	Only enable when you want to use this functionality (by default it is disabled)
Consumption-based billing	Supports consumption-based billing functionality	Only enable when you want to use this functionality (by default it is disabled)
Work Order Quotation	Supports work order quotation functionality	Only enable when you want to use this functionality (by default it is disabled)

8. Roles & Security

This chapter contains the latest information around the roles and security within this release. This release contains a couple of specific roles that we have identified. These roles and related security can be used as foundation for extend it to your own needs. In this release, we do not deliver full duties and privileges for the entire STAEDEAN Rental Management solution yet and we do not assure that any pre-configured roles work in combination with standard Dynamics 365 Finance and Dynamics 365 Supply Chain Management roles and security. In the upcoming releases, we will focus on this area in particular by leveraging the standard Dynamics D365 for Finance and Operations security features.

Roles overview

Below is an overview of the available STAEDEAN Rental Management roles in this release:

Role name	Description
Administrator	Administrator
DynaRent User	Simple User
Rental Administrator	Administrator at the rental department
Rental Clerk	Operational rental employee
Rental Coordinator	Coordinator at the rental department
Fleet Finance	Financial overview of the entire fleet
Fleet Manager	Operation fleet manager
Rental Manager	Manager at the rental department
Rental Representative	Sales representative at the rental department
Rental Sales Clerk	Sales representative at the rental department
Service Coordinator	Coordinator at the service department
Service Planner	Service planner
Technical Administration	Manager of the service department
Technical Manager	Technical manager at the service department
Transport Manager	Manager of the transport department
Transport Planner	Transport planner
Workshop Employee	Employee at the workshop
Workshop Manager	Manager at the workshop
DynaRent Field Service Engineer	For employees using the Field Service App
Customer Portal Integration User	For the user account used for Portal integration

9. Breaking changes

The two Power Platform products, DynaRent Mobile app, and DynaRent for D365 Sales, are provided as managed solutions. You can customize them to meet specific needs, creating an additional solution known as an unmanaged solution in Power Platform terminology.

However, it's important to note that due to changes in our product, unmanaged solutions might stop working. If a third party has added these solutions, they will be responsible for resolving any resulting issues.

Furthermore, unmanaged solutions can block the visibility of new functionality to users since managed solutions are restricted by the presence of unmanaged solutions. To grant users access to this new functionality, the unmanaged solution will either need to be removed or extended with the new features.

9.1   Redesign of the DynaRent Mobile App

Embracing the dynamic landscape of Microsoft technology, we are proactively future-proofing our Mobile app to meet and exceed the evolving expectations of our valued customers.

In our commitment to continuous improvement, we are not only introducing new and exciting functionalities but also enhancing performance and refreshing the user interface.

Recognizing the importance of smooth transitions, we understand that such advancements may entail adjustments to existing functionalities, and in rare instances, the removal of outdated features.

Rest assured, our dedicated team is working diligently to minimize disruptions. Where necessary, we are crafting migration scripts to ensure a seamless and hassle-free transition for our users.

At the heart of these changes is our unwavering dedication to delivering an exceptional and forward-looking mobile app experience.

We appreciate your understanding as we strive to provide you with a cutting-edge and user-friendly solution that anticipates and adapts to the ever-evolving technological landscape.

The redesign of the DynaRent Mobile app is currently taking place and will be released later this year. In the next release notes, updates on the progress will be shared.

As we're focused on building the new app, we won't be making any changes to the current version, change requests may be requested but will not be considered.
Rest assured, any urgent issues (Prio 1 release defects) will still be addressed.

9.2   MS D365 version 10.0.39 stops support for licenses generated with SHA1

You may have already been informed by Microsoft, that licenses that are generated using the SHA1 algorithm will no longer be supported starting at Microsoft Dynamics 365's F&SCM version 10.0.39. This update will be generally made available by Microsoft on March 15th 2024.

As we currently use the SHA1 algorithm for our licenses, there is an action for you to take to ensure you can continue using our services. We introduce the new SHA256 algorithm for our licenses, which will be supported going forward by Microsoft.

What do you need to do **before updating to version 10.0.39?**

1.   Please go to the Solution Management Workspace in your F&SCM environment

2.   Retrieve and install these licenses based on the SHA256 algorithm. You can find a guide on how to do that under this link.

https://support.to-increase.com/ticsm?id=kb_article&sys_id=f169436297b2e910100e3fb3f153afb8

After retrieving and installing the new license, you can upgrade to version 10.0.39 without any interruptions to our services.

There should be no effect on any of your performance. In case you experience any effect, please reach out to us under customeroperations@staedean.com.

Best regards,
Customer Operations Team

10.   Deprecations

Refer to the installation guide for technical details.