

Description of the data

Development of an Integrated Forecasting System for Inventory Management in Oil Depots.

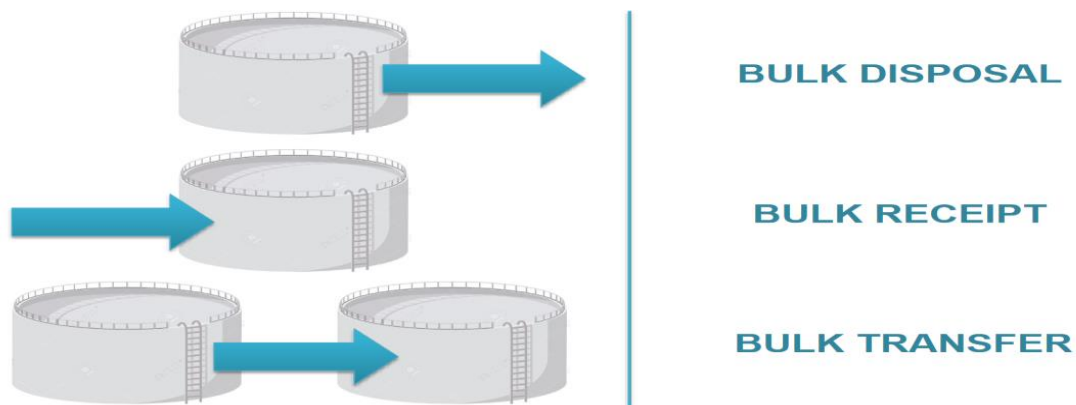
Loading Steps for a Dispatcher

1. Edit and save a new order
2. Enter Quantities to Ship by Compartment
3. Dispatcher the command
4. Print FAN
5. Validate the order at the Accuload
6. If the upload is complete, print the BOL

BULK MOVEMENT:

Bulk movement types:

- 1: Bulk Receipt
- 2: Bulk Disposal
- 3: Bulk Transfer
- 4: Bulk external transfer



The following table describes, for each type of bulk movement, whether the from supplier, to supplier, and to destination are present in the transaction:

Bulk movement type	From Supplier	To Supplier	To Destination
Bulk Receipt	No	Yes	No
Bulk Disposal	Yes	no	Optional
Bulk transfer	Yes	Yes	No

Bulk external transfer	Optional	Optional	No
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- **Folio Number:** Number identifying which folio the order was loaded in
- **Revision Number:** Number of times the order has been revised
- **Type:** order type
 - 1: ENTERING
 - 2: DISPATCHED: Order shipped and ready for loading
 - 3: LOADING: When the order is validated and FAN LOADING
 - 4: LOADING AT BAY: Compartments are loading
 - 5: VALIDATING
 - 6: LOADED: The quantity shipped is fully loaded, the BOL is ready for printing
 - 7: CANCELE: Only loaded orders can be canceled
- **Purchase Order Number:** Purchase order number entered for the order

Carriers

1. Trailers
2. Tractors
3. Drivers
4. Vehicle (tractor+ trailer)
5. Barge
6. Railcar

Container Types

Types	Owner Type
Tank	Terminal owner
Trailer	Carrier
Vapor	Terminal owner
ship	Carrier
Railcar	Carrier
Barge	Carrier

The default container type is trailer and thus when the container type is not specified, the container code is the trailer code

Presets/Meters and Injectors:

Field name	Description	Domain
Preset Code	The Preset at which the product was loaded/unloaded	HARDWARE TYPE
Meter Code	the meter at which the product was metered	HARDWARE TYPE
Injector Code	the injector at which the additive was injected	HARDWARE TYPE

Order Recipe:

Field Name	Description	Domain
Tank code	Tank code of the tank the terminal product was delivered from/to	Container type
Preset Code	Preset at which the product was loaded/unloaded	HARDWARE TYPE
Meter Code	The meter with which the product was metered	HARDWARE TYPE
Injector Code	The injector at which the additive was injected	HARDWARE TYPE
Terminal Product Number	Terminal product number for the product in the tank	SQL LONG
Terminal Product Type	Whether the terminal product was metered, injected, or weighed	TERMINAL PRODUCT TYPE
Ordered Quantity	Quantity of the terminal product ordered	SQL LONG
Gross Quantity	Gross quantity of the terminal product delivered	SQL LONG
Blend Percent	If metered, the percentage of the total blend this terminal product makes up ?	SQL FLOAT
Rate	If injected, the rate in PPM at which injection was done	SQL LONG
Weight	Weight in air of the terminal product delivered	SQL LONG
Density	Density of the terminal product delivered	SQL LONG
Start Gross Totalizer	the start gross totalizer of the meter	SQL LONG
End Gross Totalizer	the end gross totalizer of the meter	SQL LONG

Start Net Totalizer	the start net totalizer of the meter	SQL LONG
End Net Totalizer	the end net totalizer of the meter	SQL LONG
RVP	Reid vapor pressure of the terminal product delivered	SQL FLOAT
Weight in Vacuum	Weight in vacuum of the terminal product delivered	SQL LONG

Injector Record

- **Preset Code:** Preset code that the injector is attached to
- **Injector Code:** injector code that the totalize Information is for
- **Terminal Product Number:** Terminal product number for the product being injected
- **Totalizer:** Totalizer quantity value for the injector at the end of the day
- **Throughput:** Quantity of product moved through the injector for the day
- **Unaccounted:** Quantity of unaccounted product for the injector for the day
- **Certification Rate:** Minimum injection rate for the terminal product being injected

Meter Record

- **Preset Code:** Preset code that the meter is attached to
- **Injector Code:** injector code that the totalize Information is for
- **Terminal Product Number:** Terminal product number for the product being metered
- **Gross Totalizer:** Gross Totalizer quantity value for the meter at the end of the day
- **Gross Throughput:** Gross Quantity of product moved through the meter for the day
- **Gross Unaccounted:** Gross Quantity of unaccounted product for the meter for the day
- **Net Totalizer:** Net totalizer quantity value for the meter at the end of the day
- **Net Throughput:** Net Quantity of product moved through the meter for the day
- **Net Unaccounted:** Net Quantity of unaccounted product for the meter for the day

Host Type:

HOSTS
Terminal Owner
Supplier
Customer

PRODUCT

Product group

Product Group Code	Name
ADD	ADDITIVE
DSL	DIESEL
GAS	GASOLINE
HFO	HEAVY FUEL

Tank Inventory:

Field Name	Description	Domain
Gross Fractional Quantity	Fractional portion of the declared gross quantity	SQL LONG
Net Fractional Quantity	Fractional portion of the declared net quantity	SQL LONG
Fractional Weight	Fractional portion of the declared weight in air	SQL LONG
Weight in Vacuum	Whole portion of the declared weight in vacuum	SQL LONG
Fractional Weight in Vacuum	Fractional portion of the declared weight in vacuum	SQL LONG