

Note: 000112

Overview

Number	000112
Description	Tank Capacity defaulting when creating Tank Dips
Version	02 from 20.12.2023
Status	Released to Customer
Language	EN
Responsible	Guido Jager
Product	BCS
Category	Consulting & Configuration

Symptom

You utilize a QuantityWare BCS conversion group in SAP Tank/Silo Management, where the tank capacity BCS calculation parameter is configured into the reading group (e.g. Q732). You have assigned several tanks to one storage location.

You expect that the tank capacity gets defaulted from the tank master data (transaction O4NA) during tank dip creation (transaction O4_TIGER).

With this note, a GCD (Generic Customer Development) is made available to fulfill this requirement.

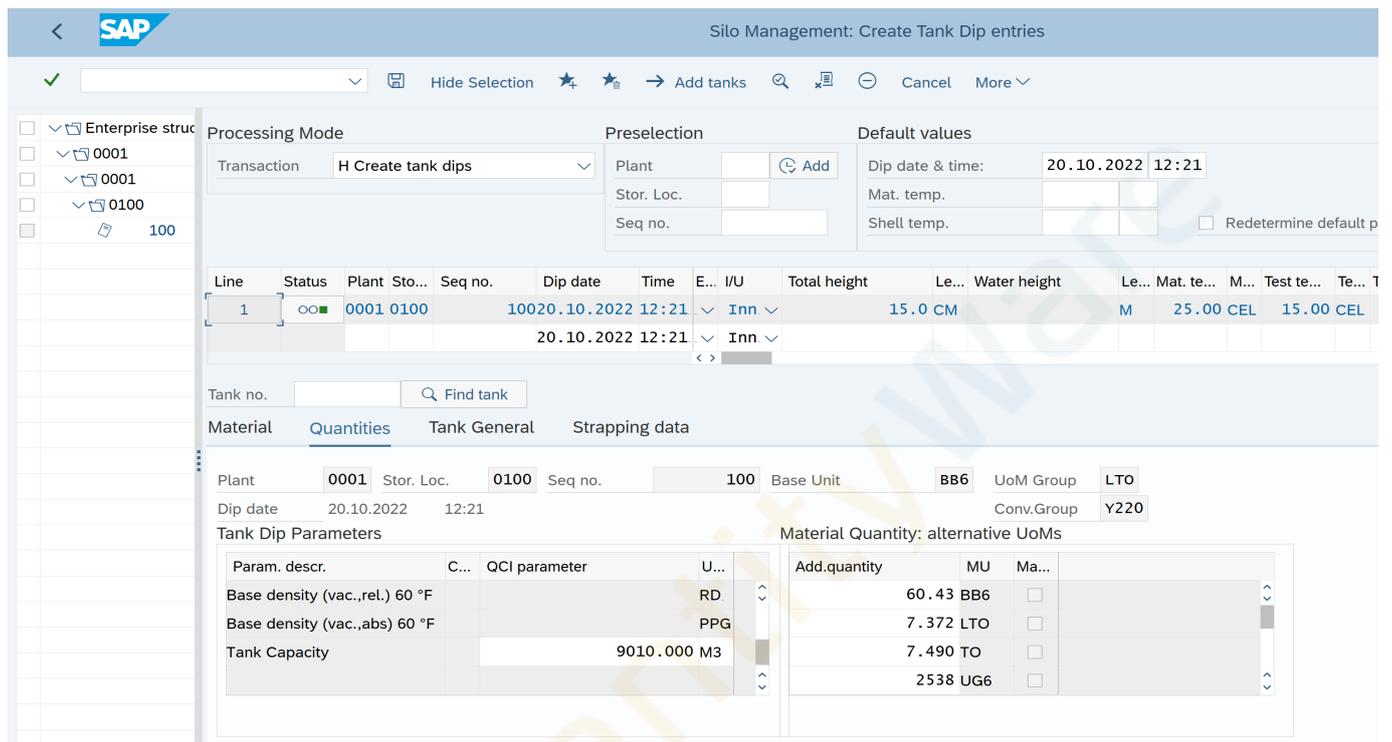
Cause

The tank capacity should be defaulted within SAP transaction O4_TIGER and passed to the QCI as a calculation parameter. However, this is not available with the SAP standard delivery.

Solution

This solution may only be implemented with the support of a QW-Certified consultant.

Calculation Example:



The screenshot shows the SAP 'Silo Management: Create Tank Dip entries' interface. The 'Processing Mode' is set to 'H Create tank dips'. The 'Preselection' fields include Plant (0001), Stor. Loc. (0100), and Seq. no. (100). The 'Default values' section shows a Dip date & time of 20.10.2022 12:21. The main table displays a single line item with the following data:

Line	Status	Plant	Sto...	Seq no.	Dip date	Time	E...	I/U	Total height	Le...	Water height	Le...	Mat. te...	M...	Test te...	Te...	
1	○○■	0001	0100		10020.10.2022	12:21	✓	Inn		15.0	CM		M	25.00	CEL	15.00	CEL

Below the table, the 'Material' section is active, showing 'Quantities' data for Plant 0001, Stor. Loc. 0100, and Seq. no. 100. The 'Tank Dip Parameters' table is also visible:

Param. descr.	C...	QCI parameter	U...
Base density (vac.,rel.) 60 °F			RD
Base density (vac.,abs) 60 °F			PPG
Tank Capacity		9010.000	M3

The 'Material Quantity: alternative UoMs' table shows the following data:

Add.quantity	MU	Ma...
60.43	BB6	<input type="checkbox"/>
7.372	LTO	<input type="checkbox"/>
7.490	TO	<input type="checkbox"/>
2538	UG6	<input type="checkbox"/>

With this note, QuantityWare releases a generic customer development (GCD) solution example containing:

- An example function module (ABAP code), which you may plug into your existing conversion group configuration
- Configuration steps how to integrate the customer function into existing MQCI conversion group configurations

Certified QuantityWare BCP consultants have access to such a calculation model extension example via the Support Portal.

Transport Reference

No SAP-based transport

Validity

SAP Release	From SP	To SP	In SP Shipment
ECC600	BCS 3.0 CSP01		
S/4 HANA	BCS 3.0 CSP00		

