



Diamond Tank Gauging

http://diamond.motherwelltankgauging.co.uk

- Tank integrity alarms enhanced with environmental tolerances allow banded upper
 - and lower limits to be sensitive to configured seasonal volume changes so that leaks

are identified quicker.



Fast alarm enablement by classification.



- Critical extreme enhancements to ensure HIHI alarms continuously annunciates even after acceptance if level continues to rise (configurable with delays).
- Tank-to-tank integrity monitoring system to validate that product leaving a source Tank actually arrives at the intended destination Tank and is not lost through pipe fracture incidents.

Tank 60		-	Tark 62			
	rans nan m m D mm			vel 6.987 mm Hit 15,535 mm H 13,593 mm L 3,301 mm LL 3,301 mm NPC 12,036 mm mparature 24.8 12		
Deta Devices Alarms Big summery	ig Se	Moving	Date Devices Aures Super	may 📧 Se	Marrieg	
Item \	/alue	Units	- Item	Value	Units	
Product weight	1,434.962	MT	Product weight	1,182.089	MT	
Density	0.8990	kg/lt	Density	0.9044	kg/lt	
Gross volume	1,610,694.553	11	Gross volume	1,318,390.366	H	
Net Volume 15	1,598,131.136	IX.	Net Volume 15	1,308,634.278	R	
ULLAGE	10,284	mm	ULLAGE	8,833	mm	
Flow rate (avg)	0.0000	m3/Hr	Flow rate (avg)	0.0000	m3/Hr	
Flow rate (latest)	0.0000	m3/Hr	Flow rate (latest)	0.0000	m3/Hr	
STOP AT volume	3,582,469.504	11	STOP AT volume	0.000	Pt.	
STOP AT level	11,493	mm	STOP AT level	0	mm	
Volume moved so far	0.000	12	Volume moved so far	0.000	PL PL	
Level moved so far	0	mm	Level moved so far	0	mm	
Volume remaining to move	1,984,338.368	11	Volume remaining to n	nove 1,308,634.278	11	
Level remaining to move	6366	mm	Level remaining to mo	ve 6987	mm	
Move time to stop (avg flow)	0.00	secs	Move time to stop (avg	(flow) 0.00	secs	
Move time to stop (latest)	0.00	secs	Move time to stop (late	st) 0.00	secs	
Direction configured by flow	T.T Tra	nster		werdon		
Last CONs data - UNKNOWW Bauge level fault - None Sauge temperature fault : None	95/04 97	44:50	Less COMS data - UNIXOROVIN Gauge level fault : None Gauge temperature fault : None	95/04 27	44.51	

 Product compatibility function to add rules to limit where products can be moved, and prevent potential dangerous movements.

relident compatibility unless			
	Damonel Novement logic sell	enforce all compatibility rules	added here
	JET-AL		
	IS NOT OD	NPATIBLE -	
	HEAVY DEESEL		
	1	Add Rule	
Product	in/Corpetble with	Product	
WATER UNASSIGNED	COMPATELEWITH	PROPANE	
RAFFINATE	NOT COMPATER	BREGHT STOCK	
WATER UNASSIGNED	COMPATELE WITH	P.D.A. OUT BACK	
3E1-43	NOT COMPATIN	HEAVY DIESEL	
		8	
		2	
	-	2	
		0	
	1	17	
Cedato Rufe			Claim .

 Diamond has a three-click Tank Calculator allowing operators to quickly configure tank movements and automatic outturn/receipt certificate generation.

Step 1 (Move type)	Start Dip	5127		Normal fill	15411
IMPORT	Start Volume	1,610,694,553		LAH Max Wkg Lvl	16281 15819
	Move Weight		MT	Min Wkg Lvl LAL	0 5653
EXPORT	Move Volume		Litres	Max Wkg Lvl is set	
	Stop Volume		Utres	Min Wkg Lvl is NOT set Input values or use bu	t
🕑 BOTH (in/out)	Stop Dip		men	Input values or use ou	ittoris
				TO PIEC TIN	g Level
e-				To LA	(Deset)

- Movements can be scheduled, active or historically viewed.
- It offers a web based front end for offices or locations not connected to the main farm.
- Full audit, full diagnostics, full logging of changes, with full flexible and configurable reporting to HTML or Excel, and automatic scheduled archival to offline Excel spread sheets. Logs are kept as long as you want them!
- Built with industry standard strong database sub-system of Microsoft SQL Server for small to enterprise level applications.
- Capable through design, high performing with multi-threaded software architecture, Diamond is tomorrow's tank gauging system now.
- It has been specifically designed with site operators in mind, and built for all tank farms large or small. It caters for the largest sites with up to 1000 tanks and is equally agile at single tank installations.
- Diamond is user friendly, simple to use and feature rich. Operators have lots of choice around graphical presentation on screen and different ways of analysing the same underlying data; from tabular and tank group based views to HTML and Excel reported printouts. Diamond gives straightforward access to your tank data and maintains a logical and easy learning path for any user, which means training, is minimized.
- Database and COMs Failover and Fail-back emergency system handling allowing continuing gauging in the event of a partial site loss.
- Configuration and control from any workstation on site. Multi-screen and variable monitor support.
- Internal inventory data protection system to maintain security of your data.
- Compare it with the rest, we have, and we think Diamond is better.

It's not a SCADA system; it's a site operator's gauging system!