

**REPORT ON THE CELLULAR GLASS SETTLEMENT
DURING WATERFILLING**Page/Sheet /
Rev 0

Client / Customer : AIR LIQUIDE KOSICE Ref. CMP Arles : 783/784

DESIGNATION : 1 x LOX 1800 HT

05/08/05

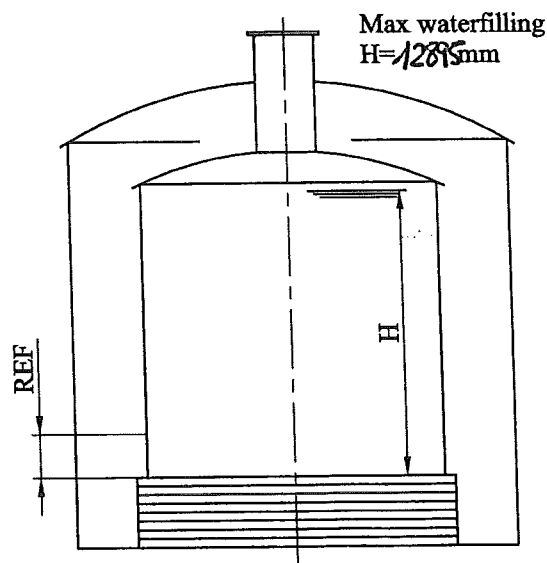
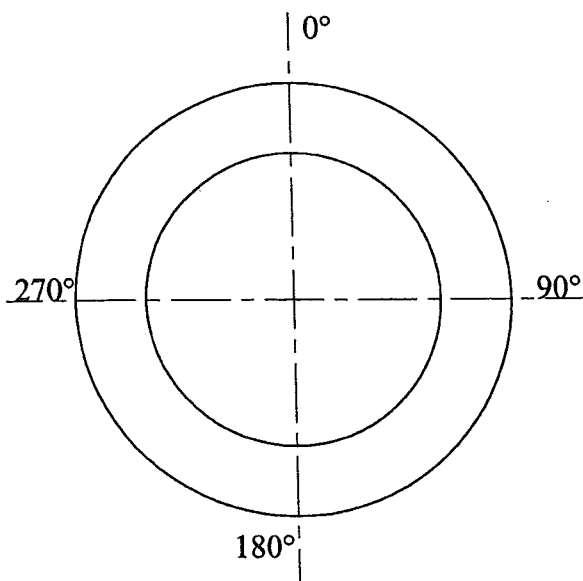
M. DUPLOT

The survey was carried out by the constructor on 4 axes in the interspace.

The 4 reference-marks on the outer casing serve as references for checking the settlement on the stainless-steel shell and consequently, the compression of the insulation. A depression of maximum 2mm per layer of cellular glass is normal.

DATE	HOUR	CONDITION	DIRECTIONAL POINT	CELLULAR GLASS SETTLEMENT IN MM					
				1	2	3	4		
02/08	16 ^h 00	Inner vessel empty	REF	0	0	0	0		
02/08	24 ^h 00	Inner vessel filled to 1/3		1	1	1	1		
03/08	08 ^h 00	Inner vessel filled to 2/3		2	2	2	2		
03/08	16 ^h 00	Filled up to max. level of water		3	3	3	3		
04/08	16 ^h 00	After 24 hours minimum		3	3	3	3		
		Total settlement		3	3	3	3		
06/08	15H00	After emptying		3	3	3	3		

The north corresponds to the 0° axis :



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The measurements have been performed after the hydropneumatic test.

Les mesures ont été exécutées après l'épreuve hydropneumatique.

Average ambient temperature during the plotting: 25. °C

Température ambiante pendant le relevé dimensionnel: 25. °C

SHELL DIAMETERS / DIAMETRES DE LA VIROLE LOX TANK

N° of the measurement N° de la mesure	Level above the flat bottom Niveau au-dessus du fond plat	Shell Thickness Epaisseur	External circumference of the shell Circonférence extérieure
1	1750 mm	8 mm	39495 mm
2	3700 mm	7 mm	39480 mm
3	5850 mm	6 mm	39472 mm
4	7800 mm	6 mm	39469 mm
5	9800 mm	6 mm	39475 mm
6	11500 mm	6 mm	39480 mm

SHELL HEIGHTS / HAUTEURS DE LA VIROLE LOX TANK

N° of the measurement N° de la mesure	Orientation of the longitudinale line Orientation de la longitudinale	Height Hauteur
1	0°	13200
2	90°	13196
3	180°	13195
4	270°	13190

Made at

Fait à KOSICE

on

le:

07/08/05

For the constructor / Pour le constructeur

M. DUFLOT. PH



For the customer / Pour le client

M.