



CONSANI ENGINEERING (PTY) LTD

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Year of manufacture 2002
Pressure Vessel Code of Design
ASME VIII Division 1 (not U - stamped)

Owner code & serial No. TASU235020-1
Tank type RID/ADR L6BN, IMO TYPE 4

Capacity & mass
Water capacity at 20°C 35108 L 9275 US Gal
Tare mass 4060 kg 8951 lbs
Maximum payload 29940 kg 66005 lbs
Max perm gross mass 34 000 kg 74 956 lbs

Tank pressure & temperature
MAWP 4 bar 58 psi
Maximum external pressure 0.40 bar 5.8 psi
Hydrostatic test pressure 6 bar 87 psi
RID/ADR calculation pressure °C °F
Tank metal design temp. range -40 °C -40 °F to 130 °C 266 °F

Steam tube pressure & temperature
MAWP 6 bar 87 psi
Hydrostatic test pressure 10 bar 145 psi
Steam saturation temperature 165 °C 329 °F

Connections
Bottom outlet 3" BSP Top outlet 3" 4xM16 DN 160 PCD
Airline 1 1/2" BSP
Steam tubes 1" BSP

TC impact approved No timber content

Material & thickness
Tank shell COLUMBUS TCG 316L - GOLD ROLLED
Tank head COLUMBUS TCG 316L - HOT ROLLED
Tank welds SS 316 Steam duct ASTM A240 316L/2.0mm
Internal lining
Insul. SHELL: 50mm ROCKWOOL; ENDS: GLASSWOOL
Clad. 0.8mm ALUMINIUM/2mm GRP
Ref. M.S. thk. 6 mm
Corrosion allowance 0.1 mm (Dished End)
Insulation K - value W/m² K

Approval authority
IMDG/RID/ADR/GSC/UIC/UK - DETR/TIR/CUSTOMS
Authorised body for design approval BUREAU VERITAS
Regulating authorities & approval permit numbers
Encoded specification ENQ. J6421

IMDG Approval BVCT 0270112/J
RID/ADR type certificate No. F/5209/BV/02
UIC approval railways code IC 70
Inspection authority type approval No. BVCT 0170171/J
Country of approval RSA/FRANCE
US DOT UK DETR GB/IMO/BV/0270112

Hydrostatic pressure test date 16/10/2002
Inspection authority witness mark

Periodic inspection & test date (month / year)
2,5 Year test date
Test pressure (bar)
Witness mark
5 Year test date
Test pressure (bar)
Witness mark

CSC SAFETY APPROVAL

Approval reference

F/BV/7897/02

Date manufactured

10/2002

Identification No.

P32765

Maximum gross mass

34 000 kg 74 956 lbs

Allowable stacking

Weight for 1.8g 72 000 kg 158 731 lbs

Racking test load value 15 290 kg 33 710 lbs

Longitudinal inertia & lateral inertia tested

Next exam. due date 10/2007

Mark

APPROVAL FOR TRANSPORT UNDER CUSTOMS SEAL

W.O. 8113

GB/C 4877 BV/2002

Type ST42 35.4.36

Manufacturer's number of the container P32765

Applicable products of classes 3, 6.1, 8, 9