Unit no. NP-57

IKM Testing AS

NITROGEN PUMP

Dimensions

Length(mm).....: 5500 Width(mm).....: 2440 Height(mm).....: 3000
Weight (kg).....: 14300
Lifting/ Transportation.....: 18' Container with forklift channels and lifting slings. DNV 2.7-1.
Certificate(s) / Serial No:.....: NP-57

Construction year

Built.....: 2021

Area of use / certification

Onshore/offshore.....: Offshore
Standard.....: Zone II, Solas 74 ch.II-2, ATEX II 3G IIA T3, 83 dBA

Flow / Pressure / Volume

Q max (SCF/H).....: 180000
Q-max - Alternative 2 (SCF/H).....: 100000
P-max (bar).....: 690
P-max Alternative 2 (bar).....: 1034

Connections

Inlet connection.....: 2 ea, 1 ½" Acme 150
Outlet connection.....: Out: 2" Weco Fig. 1502 male / 1" NPTF
Return: 1 ea. 1 ½" Acme 150

Pump / Engine

Triplex pump.....: CS&P Cryogenics ICPE-200
Triplex pump Serial no.....: 1154
Boost pump.....: CS&P Cryogenics 1,5 x 2, 5 x 6
Cold-ends.....: CS&P 1,625" – 1,25"
Vaporizer.....: CS&P Pot Vaporizer 180K SCFH 15000 PSI
Motor.....: Caterpillar C-15 ATEX Petroleum, 536BHP@2000RPM
Motor (serial no.).....: HAZ00981
Filter LIN suction side.....: 1 ½" – 100 mesh washable strainer
Signal to platform at.....: Fire alert, Gas alert, fault at gas/fire detector
Air/Diesel shut down at.....: - Overspeed of motor
- High exhaust temperature
- High coolant temperature
- Low oil pressure in motor
- Low air pressure
- Fire alert
- Gas alert
- Emergency stop
- Emergency stop from control room
- Low lubricate oil pressure pump

Power supply

Fuse (qty).....: 1 Fuse (A)....: 16
El.Power1.....: 110-230 V 1 phase(Hz).....: 45/60 (kW).....: (A).....:
(Utility)

Flow / Pressure / Volume

Diesel Tank Volume (ltr).....: 500
Diesel consumption (ltr/hr).....: 120

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Additional information

Equipment / Functions.....: - SafeGuard™ Novec 1230 fire extinguisher system,
- Fire extinguisher 12kg.
- OPS connections.
- The unit is certified by Notified Body (DNV)) to drive without flame traps in the exhaust in dangerous areas (Zone 2).