VAN VLIET
A GTE COMPANY

AVIATION REFUELLER 20.000l
MAN TGS 33.400 6x4

CHASSIS DETAILS

- Chassis MAN TGS 33.400 6x4
- 400 HP.
- Euro 2.
- ADR.
- Wheelbase: 4.500 mm.
- Tipmatic
- Mechanical suspension.
- GVW – 33.000 Kg.
- Tires: 315/80R22.5.
- 24 V – PTO NH4C.
- Exhaust directed to the center.

REFUELLING SYSTEM DETAILS

OPERATIONS

- Underwing pressure refuelling.
- Overwing gravity refuelling.
- Loading of tank.
- Self-loading of the tank.
- Defuelling (UW).
- Recirculation.
- Draining the tank.
- Tests.

TANK

- Rigid tank of 20.000 l gross volume. (excluding deadstock/excluding ullage).
- Total volume of 20.700 l. approx.
- Min. 3% ullage.
- Alluminium.
- Biconical shape with elastic connection to the subframe.
- Baffles (2) with DN500 access hole, made of the same aluminium.
- Water sump in the lowest point of the biconical joint.
- Pressure test, 0,4 bar. Working pressure, 0,2 bar.
- Piping made of aluminium alloy. All flanged connections.
- Rear stainless steel ladder.
- Aluminium antislip catwalk on top of the tank and safety handrail.

PUMPING, METERING AND FILTERING

- Flow rate up to 1.200 lpm.
- Alfons Haar FPOJ 80-900.
- Hydraulically driven.
- FAUDI FW24-12
- Gammon GTP-534-30.
- Meter: Satam ZC17 80 - VR7887

PRESSURE CONTROL

- Alfons Haar AOA80 AV 3” + Deadman control.
- Carter 44646 type.

HOSE REEL

- 1 Spoked type 1,5”- 20m Reel hose type C.
- 1 Spoked type 2”- 20m Reel hose type F.
- Hydraulically driven.
- Nozzles:
  - Underwiring nozzle Carter 64200
  - Overwing nozzle Elaflex ZVF 50.

CONTROL PANEL

- Control pressure gauges with test ports.
- Selection panel with pneumatic control and indications.
- Engine speed selector.
- Differential pressure gauge.
- Pneumatic regulator for pump.
- Pneumatic filter.
- Flow indicator.
- Lighting elements.
- Reels command.
- Steel housing, opens upward under gas tension.

MISCELLANEOUS

- Brackets / stowings for reel hose nozzle and overwing fuelling device guiding rollers for proper hose operation.
- All swivels and reel hubs without oil plugs / lubricating nipples (non-lubricating type).
- Plate with flow diagram in English language and JET A-1, flammable and no smoking logo.
- 1 Cable reel, manual rewind, with 20 m grounding / bonding cable (steel, PVC coated) and brass crocodile clip.
- 1 Earthing / grounding strip, fitted to truck's chassis frame.
- Earthing / grounding lugs at tank water sump, bottom loading connections and drain-sample point of filter / water separator.
- Interlock system with light indication in cabin.
- 2 Fire extinguisers, 9Kg each, dry-powder (ABC) on both sides of the chassis.
- 1 Fire extinguiser, 2Kg ABC (inside driver’s cabin)