



Firefighting Truck, Airfield, Foam, 5 Ton, 4 x 4, Mk 10A Scammell Nubian

PURPOSE:

- The vehicle is a RAF primary 2 fire truck designed for rescue operations on crashed aircraft and for domestic fire fighting duties. The vehicle can be used on the road or under cross country conditions

ENGINE:

- Cummins V903 series, 14.82 litre, 8 cylinder OHV, V engine, naturally aspirated, water cooled, diesel, developing 302 (bhp) at 2800rev/min

CAPACITIES:

- Fuel - 211 litres
- Coolant - 25 litres
- Oil (engine) - 35 litres
- Water - 2730 litres
- Foam - 363 litres

ELECTRICAL SYSTEMS:

- 2 separate electrical circuits are used. A 24V DC circuit is used for chassis lighting and auxiliaries. A 220/240V 50 cycle AC circuit for the mains operated equipment, which is used to keep the vehicle prepared for immediate response

BRAKES:

- **Foot** - Pneumatic, operating on all wheels
- **Hand** - Pneumatic, operating via spring brake actuators

WHEELS & TYRES:

- 3 piece type disc wheels fitted with 15.5/80 R20 Michelin G20 Pilote XL tyres

TYRE PRESSURE:

- Front - 5.59 bar
- Rear - 7.13 bar

TOWING CONNECTIONS:

Front and rear towing eyes are fitted. The front towing eyes are only to be used for recovery purposes only

SPEED LIMIT:

50mph. Excess of 50mph is limited to 5 minute periods

CAB & BODY:

- The cab is dual purpose, housing automotive and specialist equipment controls. Access to the roof mounted monitor is via an access hatch in the cab roof. The vehicle body comprises of glass fibre, pre-formed moveable body panels, embodying lockers and stowage of CES equipment and loose items

EQUIPMENT:

- The fire fighting equipment includes a glass fibre pre-mix tank and a Godiva Mk 10 water pump c/w water ring primer. Provisions are made for the foam to be dispersed through hand lines and/or foam monitor. Various specialist rescue and fire fighting equipment is also carried. 3 suction hose and an extending ladder is carried on the roof A 'domestic' water hose reel outlet is also fitted. A self-contained 100kg BCF unit is also provided

DIMENSIONS:

- Overall length - 8.48m
- Overall width - 2.49m
- Overall height - 3.2m
- Wheelbase - 4.0m
- Ground clearance - 0.34m
- Turning circle - 16.17m
- Tilt test laden - 35 deg

WEIGHT:

laden

- FAW - 6858kg
- RAW - 9192kg
- GVW - 16050kg

Fact sheets supplied by Chris Spraggins
<http://www.manstonfiremuseum.com>