# Firefighting Truck, Airfield, Foam, 8 Ton, 6 x 6, Mk 11A, Scammell Super Major

## PURPOSE:

- The vehicle is designed for rescue operations on crashed aircraft and for domestic fire fighting duties. The vehicle has both road and cross country capabilities

## ENGINE:

- Cummins VTA 903, 500 (bhp), V8 turbo-charged after-cooler unit, fitted with a heat exchanger

## CAPACITIES:

- Fuel - 211 litres
- Coolant - 86 litres
- Oil (engine) - 35 litres
- Water tank - 5770 litres
- Foam tank - 685 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 Pilote XL tyres

## TOWING CONNECTIONS:

Front and rear towing eyes are fitted. Primary function is for chain attachment for removal of crash debris. The front towing eyes are only to be used for recovery purposes only

## CAB:

- The cab is a dual purpose, housing automotive and specialist controls. Access to the roof mounted monitor is via a sliding rear door

## BODY:

- Bolted to a rear mounting frame is an electro-hydraulic operated high access ladder and cage assembly. Platform and ladder operated by 3 hydraulic rams and turntable which rotates through 270 degrees by a hydraulic motor. Manually operated dual control lever mounted on the monitor module and cage assembly. Incorporated in the rear of the body is the hinged panel giving access to the hydraulic tank

## EQUIPMENT:

- The fire fighting equipment includes a 5770 litre water tank and a 685 foam tank, a Godiva Mk 14 water pump complete with water ring primer. Provisions are made for foam to be dispersed through hand lines and/or foam monitor. Emergency rescue equipment includes 2 Honda petrol driven generators and a set of hydraulic rescue rigs Electro-hydraulic operated high access ladder and cage assembly with cage mounted BCF applicator, coupled to the vehicles BCF system

## DIMENSIONS:

- Overall length (including monitor) - 10.56m
- Overall width - 2.5m
- Overall height (top of monitor - unladen) - 3.28m
- Wheelbase - 4.75m
- Track (front) - 2.10m
- Track (rear) - 2.06m
- Tilt test laden - 30 deg
- Turning circle - 26m
- Wading depth - 0.5m

## HIGH ACCESS LADDER DATA:

- Maximum outreach - 7m
- Platform floor working height - 10m
- Maximum length (stowed position) - 4.9m
- Maximum safe load - 160kg
- Cage area - 1.1m x 0.65m

## WEIGHT DATA:

Vehicle plated weights

- Front - 8130kg
- Rear axle (1st) - 10170kg
- Rear axle (2nd) - 10170kg
- Total - 28470kg
- GVW - 28470kg

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