



THE SANDSTONE HERITAGE TRUST

Military Vehicles in Preservation

SAMIL 100 Artillery Gun Tractor

The SAMIL 100 Gun Tractor is a variant of the standard SAMIL 100 10-Tonne truck, itself developed in South Africa for local requirements from the Magirus Deutz of the 1960s. There are two versions; one for the G5 Artillery Gun as well as the 140mm Gun, the other is for the 35mm Anti-Aircraft Gun. The differences are mostly with the ammunition stowage. This example is for the 155mm G5.

There is a Gun Crew compartment behind the cab which accommodates eight men and their personal equipment. Under that are 200-litre water and 150-litre hydraulic oil tanks. An Anti-Aircraft Machine Gun is mounted on a ring in the middle of the roof of this compartment. The cargo section has built-in storage compartments for 60 gun charges. 15 projectile pallets are stowed on the load-bed itself. These can be handled by a hydraulic crane mounted at the rear, which can swing full-circle and can lift 800kg at a jib extension of 3.5m.

Specifications:

Gross weight: 21 tonnes

Payload: 9.135 tonnes

Length: 10.273 m **Width:** 2.5 m **Height:** 2,995 mm **Ground Clearance:** 335 mm

Engine: Deutz V10 4-stroke air-cooled direct injection Diesel **Power:** 200 kW at 2 650 RPM **Torque:** 880 Nm at 1 500 RPM

Power/weight Ratio: 9.52 kW/tonne **Transmission:** Manual 6-speed and reverse, High and Low Ranges

Suspension: Leaf spring and telescopic shock absorbers **Steering:** Power-assisted **Brakes:** Compressed air duplex

Tyres: 14.00 x 20 **Road speed with G5:** 90 km/hr **Road range:** 800 km

