

FV 1119 Truck, Recovery, Heavy, 6x6 Leyland

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 Saturday, 05 January 2008
 Last Updated Saturday, 05 January 2008

This page details the Characteristics of the FV 1119 Truck, Recovery, Large, 6x6 Leyland. A highly capable recovery platform, the Leyland is bonneted, providing limited forward visibility when operating cross country. The vehicle was designed to provide recovery lift for casualties up to 15000kg. The crane is hydraulically operated, the maximum capacity for which is only reached in conjunction with outriggers.

Manufacturer ChassisLeyland
 BodyLeyland and RoF
 FV Number
 Whole Equipment
 FV1119
 Chassis FV Body FV Dimensions Length 8.890m (350")
 Height 3.1m (122")
 Width 2.591m (102")
 Wheelbase 4.420m (74.5")
 Track - Front
 2.089m (82.25")
 Track - Rear
 2.096m (82.5")
 Deck Length
 Deck Width
 Deck Height
 Weights GVW 21061kg (47628lb)
 FAW RAW Unladen Weight
 Angles Approach Departure Breakover Performance Speed56.2km/h (35mph) Range562km (350 miles)
 Side Slope
 Gradient Stop /Restart Solo 20% (1in5) Stop/Restart Towing
 Turning Circle 21.34m (70ft)
 Verticle Step
 Gross Power/Weight Ratio
 6.9kW/t (9.2bhp/t)
 Max Tractive Effort Low Gear
 6043 N/t (1358lbf/t) Max Trailer Weight - Braked
 Max Trailer Weight - Unbraked Engine ManufacturerLeyland
 TypeRolls Royce B81 Mk 5K
 Displacement6.52 litres (398 cu in)
 Gross Power
 145 kW (195 bhp) @ 3750rpm
 Nett Torque
 418Nm (308lbf/t) @ 2150 rpm
 Speed Limiter?
 Yes Speed Limited to
 3750 rpm
 Ignition Type
 Coil Lubrication Wet Sump
 Engine Cooling
 Pressurised Fuel System
 Type Pressure Feed
 Pump Manufacturer
 Air Cleaner
 FVRDE Oil Bath
 FuelPetrol
 Fuel Capacity
 446 litres (98 Gal)
 Gearbox Manufacturer Type 4 Speed synchromesh and Reverse Ratios 1st 2nd 3rd 4th Electrical Generator
 Manufacturer 28v 12amp
 Capacity Batteries Capacity 24v 60 amp/hr
 Suppression

To FVRDE Spec 2051, App D1, Sched B Clutch Manufacturer Type Twin Plate

Propeller Shafts

Manufacturer Hardy Spicer Transfer Box

Manufacturer Type 3 Speed

Transfer Box Ratios

1:055, 1.36:1 and 2.69:1

Axles Manufacturer Type Driven Front and Rear

Ratios - Top

14.9:1 Ratios - Bottom

190.4:1 DifferentialsManufacturer

Quantity Two Front

Centre

Rear

Differential Locks

SuspensionFront

Single transverse Semi-Elliptic Centre

Semi-Elliptic Rear

Semi Elliptic Shock Absorbers Manufacturer

Front Centre

Rear Brakes

Manufacturer

Actuation - Foot Air pressure on all wheels

Actuation - Hand Disc type transmission in locks Actuation - Trailer

2 Line Air Pressure

Front

Centre Rear

Hand

Trailer Warning Device - Tractor

Pressure Gauge Warning Device - Trailer

SteeringManufacturer

TypeCam and Roller, hydraulic power assistance

Wheels Manufacturer Type 4 Piece

Tyres Manufacturer Dimensions 15.05 x 20 cross country

Type (Radial/Cross ply)

Accessories Front Chains, rear over tracks

Onboard Tyre Compressor?

Yes Compressor Capacity (Psi)

Towing Attachments FrontHook

RearHook

WinchManufacturer

Type Hydraulic Two Speed

DriveHydraulic

Max rope pull/speed

Low Range - 147kN (33075lb/f) at4572mm/min High Range - 49kN (11025lb/f) at 13.72m/min Rope Length

CapacityMax (with spade) 392kN

Crane

Manufacturer

Type Hydraulically Driven, Rope, Boom Reach 3.048 - 5.486m

Capacity

1500kg@max radius without stays

15000kg with stays Slew140' Maximum Hook Height

6.096m (264")

Maximum Lift8.230m (324') Max Lift of Hoist Cable

Maximum Luff

45' Lift and Slew

1400kg at 5.563m (W/out Outriggers)

2600kg at 5.563m (with Outriggers)

Capacities Engine Oil

Gearbox Oil

Transfer Box Oil

Fuel Coolant Screenwash Support Publication:

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