



**ASHOK LEYLAND**



**1518**

# 1518

## 15 Ton GVW

### TECHNICAL INFORMATION

ENGINE	
	ALH A6DTI2U (Euro 2) turbocharged intercooled diesel
Bore x Stroke	104 x 113 mm
Max output	180 PS @ 2400 rpm
Maximum torque	60Kgm @ 1600 rpm
Air filter	Dry type with cleanable element
Fuel filter	1.1 lts. dual filter on the pressure side
Fuel tank capacity	212 ltrs (Rectangle with Lockable Cap)
Cooling type	Pump circulated, pressurised cooling, thermostat controlled with deaeration tank
CLUTCH	
	380mm dia Non-asbestos single Plate Dry type Diaphragm clutch hydraulically actuated
GEAR BOX	
	Synchromesh ZF S6-36 (OD)
	I - 6.93, II - 4.43, III - 2.634, IV - 1.513 V - 1.00, VI - 0.838, R-6.22
PROPELLER SHAFT	
	1600 series
No. of propeller shafts	3
REAR AXLE	
	Fully floating single speed Hypoid Gear DANA 60 SHO
Axle capacity	10200 kgs
Axle Ratio	5.57 : 1
FRONT AXLE	
	Forged I section reverse Elliot type
Capacity	6000 kgs
FRAME	
	All steel ladder type
No. of cross members	8 nos
Frame dimensions	229 x 76 x 6.35 mm (depth x width x thickness)
SUSPENSION	
	Semi Elliptic multi leaf Shackle Ended
Shock absorber	Double acting, telescopic type at front
STEERING	
	ZF Power Assisted steering
WHEELS & TYRES	
	2 nos. in front and 4 nos. in rear
Rim size	B 7.5 HD x 20
Tyre size	10.00 R20 - 'E' Marked 11.00 R 22.5 (A;ternate)
BRAKES	
	Full air pressure diaphragm operated on all wheels dual line circuit system
Parking brake	Pneumatically controlled on rear wheels only. Additional Exhaust Brake & Auto Slack adjuster

ELECTRICAL SYSTEM	
Type	24 V negative earth
Battery	110 Amp. Hr (20 Hr. rating)
Alternator max output	55 Amps

PERFORMANCE DATA	
Max speed in top gear	100 kmph
Max gradeability %	25

WEIGHTS (Kgs)		
	Laden	Un Laden
Front axle	5170	3030
Rear axle	10030	2000
Total	15200	5030

MAJOR DIMENSIONS (For chassis in mm)			
Wheelbase	5200	4200	3700
Front overhang	1483	1483	1483
Rear overhang	2388	1000	889
Overall length (with Cab)	9071	6683	5732
Overall Width	2400	2400	2400
Front track	1957	1957	1957
Rear track	1816	1816	1816
Frame width	864	864	864
Overall Ht (Un Laden)	2725	2725	2725
Min. ground clearance	258	258	258
Turning circle dia (Mtr)	20.0	18.5	16.4
Angle of Approach (deg)	25	25	25
Angle of Departure (deg)	18	35	45

SPECIAL FEATURES	
1.	Front and rear Anti roll Bar
2.	Cab Heater cum De-mister
3.	electronic Speedometer
4.	Load Sensing Valve

### ASHOK LEYLAND 1518 VS TATA 1618 COMPARISON

ENGINE	AL 1718	TATA 1618	
Model	6 Cylinder Direct injection turbo water cooled	6 cylinder Direct Injection, Diesel engine water cooled	
Displacement	6000 c.c	6000 cc	
Power	180p.s @ 2400r.p.m	180p.s @ 2500r.p.m	
Torque	60kgm @ 1600r.p.m	66kgm @ 1500r.p.m	
Oil Capacity			
GEARBOX			
Model	ZF S6-36	TATA GBS- 600	
Over Drive	Yes	Yes	
High/Low	6.93/0.838	6.58/0.77	
CLUTCH			
CLUTCH	single plate , Dry friction, Valeo	Single plate, dry friction	
	Hydraulically actuated-Booster	Booster assisted -pull type	
Facedia. & Thickness	380mmX14mm	350mmX12mm	
AXLES			
Front Axle	FA90-'I' section, Non driven- Reverse Elliot	I beam reverse Elliot type	
Rear Axle	Dana 60 SHO Full floating single speed	TATA-RA-1099RR fully floating single speed	
Ratio	5.57 :1	5.857:1	
FRAMES			
Model	Ladder type heavy duty frame with bolted cross members	Ladder type heavy duty frame with riveted / bolted cross members	
Channel Section Depth x Flange Width	228.6 x 76.2 mm	219 x 65 mm	
PERFORMANCE			
Speed	100 Kmph	105 kmph	
Gradeability	23% Restart 25% Running	22% Restart	
LOAD BODY AREA			
Length (m)	7.2	6.7	
Width (m)	2.4	2.4	
Loading Area (sq.m)	17.28	16.83	
PAYLOAD			
Parameter	AL 1718	Parameter	TATA 1618
GVW	16970	GVW	16200
Chassis +Cab	5170	Chassis	5400
Pay Load	11800	Pay Load	10800

## STALLION ASHOK LEYLAND

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