

## Lubricants, Fluids and Capacities - 500, 600, 700 & 800 Leyland Tractors

Lubricants						
	Diesel Engines - Naturally Aspirated			Diesel Engines - Turbocharged		
<b>Minimum Performance Level</b>	Oil to meet specification MIL-L-2104B and A.P.I. C.C.			Oil to meet specification MIL-L-2104C and A.P.I. C.D.		
<b>Temperature</b>	Above 27°C (80°F)	-1°C (30°F) to 27°C (80°F)	Below -1°C (30°F)	Above 27°C (80°F)	-1°C (30°F) to 27°C (80°F)	Below -1°C (30°F)
<b>Viscosity</b>	SAE 30	SAE 20W/20	SAE 10W	SAE 30	SAE 20W/20	SAE 10W

**Note:** The appropriate multi-grade oils which meet the minimum performance level requirements, manufactured by approved oil companies, are suitable for the particular conditions prevailing

	Transmission Hydraulics & Wet Brakes	Hydrostatic Steering Reservoir	Front Axle (Four Wheel Drive only)	Grease Points
<b>Minimum Performance Level</b>			MIL-L-2105B and A.P.I. GL5	Multi-purpose Lithium N.L.G.I. Consistency No. 2
	AS Tractor oil universal	ATF (Automatic transmission fluid)	Hypoid Gear Oil EP90	Multipurpose Grease

**Approved Oil Companies:-** BP, Castrol, Duckhams, Elf Stenol, ESSO, Mobil, Shell & Texaco.

### Special Lubricants and Compounds

#### Application

Air Filter element	Low lather detergent (Pat or Cooper Kleen Detergent Air Filter Compound)
Alternator bearings	Shell Alvania RA Grease
Belleville washer pack - hydraulics	Rocol Molylistate Grease
Break & clutch hydraulic components (cleaning)	Girling Cleaning Fluid
Brake & clutch cylinder gaiters	Girling Rubber Grease
Engine core plug sealing/locking compound	Loctite Primer Grade N & Loctite Grade 270
Hydraulic control valve plugs	Loctite Hydraulic Seal
Screw locking	Loctite Screw Lock
Sealing compound	Hylomar or Wellseal

#### Clutch and Brake Fluid

Use a high boiling point brake fluid conforming to S.A.E. J1703C (Castrol/Girling - Crimson) with minimum boiling point of 260°C (500°F) **DO NOT** use any other type of fluid in the brake or clutch systems.

#### Anti-Freeze Solutions

Use Bluecol 'U' Anti-freeze conforming to B.S. 3151 or B.S. 3152. A minimum of 33% anti-freeze must be used to protect the system against corrosion and freezing down to -19°C (-2°F) In hot climates the cooling system must be protected against corrosion by the addition of a corrosion inhibitor in the coolant. Do not exceed 60% anti-freeze in the cooling system.

**Corrosion Inhibitors:** Where anti-freeze is not required it is essential that one of the following inhibitors be added to the cooling system.

Sta-Clean 'R.C.P.', ICI (Northwich) 'Nalflock A 131, Houseman and Hergo 'R.T.F. 80' or Albright and Wilson 'Sobenite 10'. The amount of inhibitor to be added to the cooling system should be 1 to 2% of coolant volume. Drain the cooling system every two years and refill with a fresh inhibitor solution. In all cases the manufacturer's instructions should be followed.

**Capacities (approximate)**

Fuel Tank	68.2 litres	15 gallons	18 U.S. gal
Engine including oil filter; 502	6.8 litres	12 pints	14.4 U.S. pints
All models except 502	9.7 litres	17 pints	20.4 U.S. pints
Gearbox and rear axle: Two-wheel drive	57.5 litres	12.5 gallons	15 U.S. gal
Four-wheel drive	59.3 litres	13 gallons	15.6 U.S. gal
Cooling system; 502	7.95 litres	14 pints	16.8 U.S. pints
All models except 502	13.6 litres	24 pints	25.6 U.S. pints
Front axle centre case; Four-wheel drive	6 litres	10.6 pints	12.6 U.S. pints
Hub reduction housing; Four-wheel drive	1.5 litres	2.6 pints	3.2 U.S. pints
Power steering reservoir (PAS)	0.5 litres	0.85 pint	1 U.S. pint
Power steering reservoir (Hydrostatic)	1.7 litres	3 pints	3.57 U.S. pints
Steering box (Manual)	1.7 litres	3 pints	3.57 U.S. pints
Simms Minimec injection pump, if fitted	0.35 litres	0.625 pint	0.74 U.S. pint