

## SERVICE LUBRICANTS, FUEL, FLUIDS AND CAPACITIES

### CAPACITIES

The following capacity figures are approximate and are provided as a guide only. All oil levels must be checked using the dipstick or level plug, as applicable with the vehicle on level ground.

	Litres	Imperial unit	US unit
Engine sump oil, 4-cylinder	6,0	11 pints	13 pints
Engine sump oil, 6-cylinder	6,8	12 pints	14 pints
Extra when refilling after fitting new filter, 4-cylinder	0,85	1.5 pints	1.8 pints
Extra when refilling after fitting new filter, 6-cylinder	0,5	1 pint	1.2 pints
Air cleaner oil, 4-cylinder	0,85	1.5 pints	1.8 pints
Air cleaner oil, 6-cylinder	0,5	1 pint	1.2 pints
Main gearbox oil	1,5	2.5 pints	3 pints
Transfer box oil	2,5	4.5 pints	5.5 pints
Rear differential	1,75	3 pints	3.5 pints
Front differential ) Rover	1,75	3 pints	3.5 pints
Rear differential: Salisbury 8HA	2,5	4.5 pints	5.5 pints
Swivel pin housing oil (each)	0,5	1 pint	1.2 pints
Fuel tank, 4-cylinder models except Station Wagon	45	10 gallons	12 gallons
Fuel tank, 6-cylinder models except Station Wagon	50	11 gallons	13 gallons
Fuel tank, 4-cylinder and 6-cylinder Station Wagon models	68	15 gallons	18 gallons
Cooling system, 4-cylinder Petrol models	8,1	14.25 pints	17.1 pints
Cooling system, 6-cylinder Petrol models	11,2	20 pints	24 pints
Cooling system, Diesel models	7,8	13.75 pints	16.5 pints
Hydraulic front winch, supply tank	20,0	4.5 gallons	7.5 gallons
Hydraulic front winch, gearbox	1,0	2 pints	2.4 pints

COMPONENT	SERVICE CLASSIFICATION
Fuel Tank	<b>2½ litre Petrol models</b> 7.0:1 compression ratio: 90 octane with 6° BTDC ignition timing 83 octane with 3° BTDC ignition timing 75 octane with TDC ignition timing 8.0:1 compression ratio: 90 octane with TDC ignition timing 85 octane with 3° ATDC ignition timing
	<b>2.6 litre Petrol models</b> 7.0:1 compression ratio: 83 octane with 2° BTDC ignition timing 80 octane with TDC ignition timing 78 octane with 2° ATDC ignition timing 7.8:1 compression ratio: 90 octane with 2° ATDC ignition timing 85 octane with 6° ATDC ignition timing
	<b>2½ litre Diesel models</b> Diesel fuel (D.E.R.V.)

## RECOMMENDED LUBRICANTS AND FLUIDS FOR OVERSEAS AND EXTREME TEMPERATURE CONDITIONS

DIAGRAM NUMBER	COMPONENT	SERVICE CLASSIFICATION		AMBIENT TEMPERATURE °C						
		PERFORMANCE LEVEL	S.A.E. VISCOSITY	-30	-20	-10	0	+10	+20	+30
20 6 18	Engine Governor Air cleaner Oil can Hydraulic winch supply tank	Oils must meet BL Cars Specification BLS.22.OL.02 or The CCMC Requirements or A.P.I. Service Rating Petrol                  Diesel SE or SF                  CC or CD or SE/CC                  or SE/CC or SF/CC                  or SE/CD or SE/CD                  or SF/CC or SF/CD                  or SF/CD	5W/20, 5W/30, 5W/40	←—————						
			10W/30	—————						
			10W/40, 10W/50	—————→						
			15W/40, 15W/50	—————→						
			20W/40, 20W/50	—————→						
7 8 19 26 16 4 23 13 11 28	Main gearbox Transfer box Front differential Rear differential Swivel housing, R.H. Swivel housing, L.H. Steering box Steering relay Rear power take-off Pulley unit Hydraulic winch gearbox	A.P.I. GL4 or MIL-L-2105	90 EP	—————→						
			80W EP	←—————						
12 1 15 2 14 21 17 3 27 10 25 9	Drag-link ball joint, R.H. Drag-link ball joint, L.H. Track-rod ball joint, R.H. Track-rod ball joint, L.H. Longitudinal arm ball joint, front Longitudinal arm ball joint, rear Front hub, R.H. Front hub, L.H. Rear hub, R.H. Rear hub, L.H. Front propeller shaft Rear propeller shaft	NLGI-2 Multi-purpose lithium based grease								
	Windscreen washers	UNIPART SCREEN WASHER FLUID—ALL SEASONS, or other proprietary screen washer fluids.								
24 22	Clutch fluid reservoir Brake fluid reservoir	UNIPART UNIVERSAL BRAKE FLUID or other brake fluids having a minimum boiling point of 260°C (500°F) and complying with FMVSS 116 DOT 3.								
5	Engine cooling system	UNIPART UNIVERSAL ANTI-FREEZE. If this is not available use an ethylene glycol based anti-freeze (containing no methanol) with non-phosphate corrosion inhibitors suitable for use in cast iron engines to ensure the protection of the cooling system against frost and corrosion. When frost protection is not required use a non-phosphate corrosion inhibitor.								