

# Standards and Service Limits

## Engine Lubrication — Section 8

	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Engine oil	Capacity ℓ (US qt, Imp qt)	6.3 (6.7, 5.5) for engine overhaul 5.0 (5.3, 4.4) for oil change, including filter	
Oil pump	Displacement ℓ (US qt, Imp qt)/min @rpm	68 (72, 60) @6,000	
	Inner-to-outer rotor radial clearance	0.02-0.18(0.001-0.007)	0.20 (0.008)
	Pump housing-to-outer rotor radial clearance	0.10-0.19 (0.004-0.007)	0.20 (0.008)
	Pump housing-to-outer rotor axial clearance	0.02-0.07 (0.001-0.003)	0.12 (0.005)
Relief valve	Pressure setting with oil temperature 176°F (80°C) kPa (kg/cm <sup>2</sup> , psi) at idle at 3,000 rpm	70 (0.7, 10) min. 350 (3.5, 50) min.	

## Cooling — Section 10

	MEASUREMENT	STANDARD (NEW)
Radiator	Engine coolant capacity ℓ (US qt, Imp qt) (including engine, heater, cooling ) line and expansion tank Expansion tank capacity 2.1 ℓ (2.2 US qt, 1.8 Imp qt)	M/T: 16.0 (16.9, 14.1) for overhaul 12.0 (12.7, 10.6) for coolant change  A/T: 16.5 (17.4, 14.5) for overhaul 12.0 (12.7, 10.6) for coolant change
Expansion tank cap	Opening pressure kPa (kg/cm <sup>2</sup> , psi)	95-125 (0.95-1.25, 14-18)
Thermostat	Start to open °F (°C)	169-176 (76-80)
	Fully open °F (°C)	194 (90)
	Valve lift at fully open	10 (0.39) min.
Water pump	Displacement ℓ (US qt, Imp qt)/min @rpm	150 (159, 132) @6,000
Cooling fan	Thermoswitch "ON" temperature (low) °F (°C)	183±2 (84±1.2)
	Thermoswitch "OFF" temperature (low) °F (°C)	Subtract 11±3 (6±2) from the actual "ON" temperature (low)
	Thermoswitch "ON" temperature (high) °F (°C)	194±2 (90±1.2)
	Thermoswitch "OFF" temperature (high) °F (°C)	Subtract 11±3 (6±2) from the actual "ON" temperature (high)

M/T: Manual Transmission A/T: Automatic Transmission