

## 8. RECOMMENDED OILS

Use only oils listed below or equivalent.  
Do not mix different brand oil.

Service point	Kind of fluid	Capacity (U.S. gal)	Ambient temperature °C (°F)							
			-20 (-4)	-10 (14)	0 (32)	10 (50)	20 (68)	30 (86)	40 (104)	
Engine oil pan	Engine oil	15.3(4.0)					SAE 30			
				SAE 10W						
Transmission case		3.2(0.85)	SAE 10W-30							
			SAE 15W-40							
Swing drive	Gear oil	2.5(0.66)	SAE 85W-140							
	Grease	0.35(0.09)	NLGI NO.1			NLGI NO.2				
Front axle differential gear case	Gear oil	7.75(2.0)	SAE 85W-90 LSD							
Rear axle differential gear case		8.4(2.2)								
Axle planetary gear case	Gear oil	1.2(0.32) × 4	SAE 85W-140							
Hydraulic tank	Hydraulic oil	Tank: 124(32.7) System: 240(63.4)	ISO VG 32							
			ISO VG 46							
			ISO VG 68							
Fuel tank	Diesel fuel	270(71.3)	ASTM D975 NO.1							
			ASTM D975 NO.2							
Fitting (Grease nipple)	Grease	As required	NLGI NO.1							
			NLGI NO.2							
Radiator (Reservoir tank)	Mixture of antifreeze and water 50 : 50	24(6.4)	Ethylene glycol base permanent type							

**SAE** : Society of Automotive Engineers

**API** : American Petroleum Institute

**ISO** : International Organization for Standardization

**NLGI** : National Lubricating Grease Institute

**ASTM** : American Society of Testing and Material