

9. RECOMMENDED OILS

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

Service point	Kind of fluid	Capacity l (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	11.6 (3.1)	SAE 30						
			SAE 10W						
			SAE 10W-30						
						SAE 15W-40			
Swing drive	Grease	0.35 (0.09)	NLGI NO.1		NLGI NO.2				
	Gear oil	1.5 (0.4)	SAE 85W-140						
Final drive	Gear oil	1.2 × 2 (0.3 × 2)							
Hydraulic tank	Hydraulic oil	Tank: 70 (18.5) System: 120 (31.7)	ISO VG 32				ISO VG 46		
			ISO VG 68						
Fuel tank	Diesel fuel	120 (31.7)	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	9.5 (2.5)	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