

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	12(3.17)					SAE 30				
			SAE 10W								
			SAE 10W-30								
			SAE 15W-40								
Swing drive	Gear oil	1.5(0.4)					SAE 85W-140				
Final drive		1.2×2 (0.32×2)									
Swing drive	Grease	0.2kg(0.4lb)	NLGI NO.1								
				NLGI NO.2							
Hydraulic tank	Hydraulic oil	Tank:75(19.8) System: 130(34.3)	ISO VG 32								
				ISO VG 46							
				ISO VG 68							
Fuel tank	Diesel fuel	135(35.7)	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	11(2.9)		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