

9. 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	9.5(2.5) 15.3(4.0) TIER II					SAE 30			
			SAE 10W							
			SAE 10W-30							
							SAE 15W-40			
Swing drive	Grease	0.35(0.1)	NLGI NO.1							
							NLGI NO.2			
Swing drive	Gear oil	2.5(0.7)								
Final drive		3.0 × 2 (0.8 × 2)	SAE 85W-140							
Hydraulic tank	Hydraulic oil	Tank; 124(32.8) System; 210(55.5)	ISO VG 32							
						ISO VG 46				
						ISO VG 68				
Fuel tank	Diesel fuel	270(71.0)	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	21.8(5.8)	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