

## 8. 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	24 (6.3)					SAE 30			
Transmission case		3.0 (0.8)	SAE 10W							
			SAE 10W-30							
Swing drive	Gear oil	5.0 (1.3)					SAE 85W-140			
	Grease	1.2 (0.3)	NLGI NO.1							
				NLGI NO.2						
Front axle	Gear oil	Center : 9.6 (2.5) Hub : 2.5×2 (0.7×2)					SAE 85W-90			
Rear axle		Center : 13.1(3.5) Hub : 2.5×2 (0.7×2)								
Hydraulic tank	Hydraulic oil	Tank: 180 (48) System: 290 (77)	ISO VG 32							
			ISO VG 46							
			ISO VG 68							
Fuel tank	Diesel fuel	320 (84.5)	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	35 (9.2)	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