

## 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)
Engine oil pan	Engine oil	11.6(3.1)	SAE 30					
			SAE 10W					
			SAE 10W-30					
			SAE 15W-40					
Swing drive	Gear oil	1.5(0.4)	SAE 85W-140					
	Grease	0.2(0.05)	NLGI NO.1			NLGI NO.2		
Gear box case	Gear oil	1.85(0.49)	SAE 85W-90					
Front axle		Center : 4.5(1.19) Hub : 0.4 × 2 (0.11 × 2)						
Rear axle		Center : 4.5(1.19) Hub : 0.4 × 2 (0.11 × 2)						
Hydraulic tank	Hydraulic oil	Tank: 70(18.5)	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	10(2.6)	Ethylene glycol base permanent type					

**SAE** : Society of Automotive Engineers

**NLGI** : National Lubricating Grease Institute

**API** : American Petroleum Institute

**ASTM** : American Society of Testing and

**ISO** : International Organization for Standardization Material