3. FUEL, COOLANT AND LUBRICANTS

1) NEW MACHINE

New machine used and filled with following lubricants.

Description	Specification			
Engine oil	SAE 15W-40(API CH-4)			
Hydraulic oil	ISO VG 46(SAE 10W)			
Swing and travel reduction gear	SAE 85W-140(API GL-5)			
Grease	Lithium base grease NLGI No. 2			
Fuel	ASTM D975-No. 2			
Coolant	Mixture of 50% ethylene glycol base antifreeze and 50% water.			

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API : American Petroleum Institute

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2) RECOMMENDED OILS

Use only oils listed below or equivalent.

Do not mix different brand oil.

Service point Kind of fluid		0	Ambient temperature °C (°F)						
	Capacity (U.S. gal)	-20 (-4)		0 (32)	10 (50)	20 (68)	30 (86)	40 (104)	
Engine En		31.7(8.4)							
							SAE	30	
	Engine oil			SA	\E 10W				
			SAE 10W-30						
				SAE 15W-40					
		2.2(2.4)							
Swing drive	Gear oil	8.0(2.1)		SAE 85W-140					
Final drive	Godi oii	5.5×2 (1.5×2)				07.200.			
Hydraulic tank Hydraulic									
		Tank; 230(61)		ISO VG 32					
	Hydraulic oil	System; 380(100)	ISO VG 46						
				ISO VG 68					
Fuel tank Diesel fuel		520(137)			-				
	Diesel fuel		ASTI	M D975 N	0.1				
		, ,		ASTM D975 NO.2					
Fitting Grease (Grease nipple)		As required	NII	GI NO.1					
	Grease		INL	LGI NO. I					
						NL	GI NO.2	2	
1 /=	Mistrica of	45(12)							
	antifreeze			Ethy	rlene al	ycol base	nerma	nent tyr	ne l
	and water 50 : 50			Eur	riche gi	your base	реппа	топ тур	

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