CONSTRUCTION EQUIPMENT

C21.03.90261 - Diesel Engine

Sample No: LH0289486 Oil Type: {unknown}

	ple Infor	mation		
Sample Number		LH0289486	 	
Sample Date		09 Apr 2024	 	
Machine Hours		1163	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		SEVERE	 	
oilc	ondition			
Visc @ 100°C	cSt	10.2	 	
Oxidation (PA)	%	18	 	
Cont	aminati			
Water	%	NEG	 	
Soot %	%	0	 	
Nitration (PA)	%	36	 	
Sulfation (PA)	%	31	 	
Glycol	%	0.401	 	
Fuel	%	0.8	 	
Silicon	ppm	3	 	
Sodium	ppm	01	 	
Potassium	ppm	<u> </u>	 	
	ır Metals			
Iron	ppm	0 11	 	
Copper	ppm	<u>0</u> 19	 	
Lead	ppm	1	 	
Tin	ppm	0	 	
Aluminum	ppm	4	 	
Chromium	ppm	○ <1	 	
Molybdenum	ppm	4	 	
Nickel	ppm	○ <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	3	 	
Vanadium	ppm	0	 	
	itives			
Calcium	ppm	1093	 	
Magnesium	ppm	62	 	
Zinc	ppm	291	 	
Phosphorus	ppm	240	 	
Barium	ppm	9	 	
Boron	ppm	O 17	 	
DOIGH	ppiii			



LIEBHERR CANADA LTD. - REMAN

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Diagnosis

We advise that you check for the source of the coolant leak. We recommend that you drain the oil from the component if this has not already been done. We advise that you flush the component thoroughly before re-filling with oil. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. Fuel content negligible. Test for glycol is positive. There is a high concentration of glycol present in the oil. There is a moderate concentration of water present in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The oil is no longer serviceable due to the presence of contaminants.

Depot: REMAN Unique No: 5760944 Signed: Kevin Marson Report Date: 11 Apr 2024

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Graphs

