

LIEBHERR PR766 021682-1421 - Diesel Engine

Sample No: LH0254161

Δ.

Oxidation (PA)

Manganese

Vanadium

Oil Type: DIESEL ENGINE OIL SAE 5W30

SAMPLE INFORMATION

Sample Number	LH0254161	 	
Sample Date	28 Nov 2023	 	
Machine Hours	10573	 	
Oil Hours	250	 	
Oil Changed	Changed	 	
Sample Status	ABNORMAL	 	

OIL C	OIL CONDITION		
Visc @ 100°C	cSt	0 11.2	
Base Number (BN)	mg KOH/g	0 9.9	

%

50

Water	%	NEG			
Soot %	%	0.1			
Nitration (PA)	%	79			
Sulfation (PA)	%	47			
Glycol	%	NEG			
Fuel	%	<1.0			
Silicon	ppm	8 🔘			
Sodium	ppm	0			
Potassium	ppm	04			

\bigcirc WEAR METALS Iron ppm 8 🔘 Copper 0 200 ppm Lead ◯ <1 ppm Tin 0 <1 ppm Aluminum 2 ppm Chromium ○ <1 ppm Molybdenum ppm <1 Nickel ○ <1 ppm Titanium ○ <1 ppm Silver 0 <1 ppm

ADDITIVES					
Calcium	ppm	0 2379			
Magnesium	ppm	0 474			
Zinc	ppm	950			
Phosphorus	ppm	0 806			
Barium	ppm	0 19			
Boron	ppm	149			



INTERNATIONAL PAPER 601 COUNTY RD 78

SELMA, AL US 36703 Contact: JERRY BROWN

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Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Report

Report Id: INTSELLH [WUSCAR] 06053442 (Generated: 01/11/2024 11:51:39) Rev: 1

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0

ppm

ppm

Contact/Location: JERRY BROWN - INTSELLH

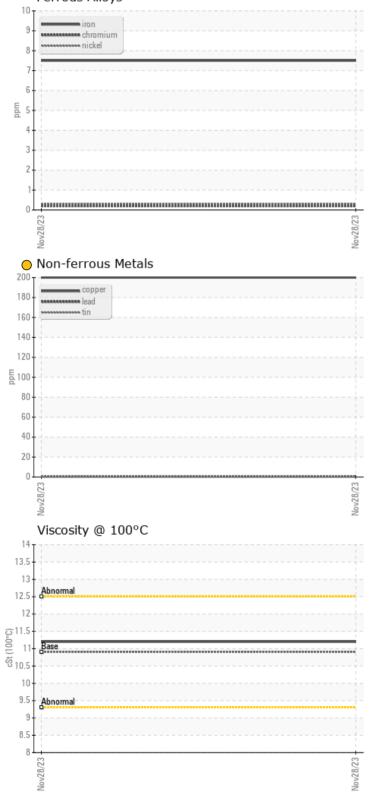


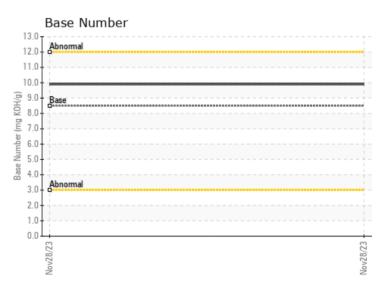


Ferrous Alloys

GRAPHS

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