CONSTRUCTION EQUIPMENT

LIEBHERR LH30M 1253-146764 - Diesel Engine

PETRO CANADA DURON UHP 5W30

Sample No: LH0276506

Oil Type:

A

Manganese

Vanadium

ppm

ppm

SAMPLEINFORMATION

Sample Number	LH0276506	 	
Sample Date	01 Mar 2024	 	
Machine Hours	500	 	
Oil Hours	0	 	
Oil Changed	Changed	 	
Sample Status	ABNORMAL	 	

OIL CO	NDITION		
Visc @ 100°C	cSt	0 11.4	
Base Number (BN)	mg KOH/g	0 5.2	
Oxidation (PA)	%	191	

CON	TAMIN	ATION		
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	98	 	
Sulfation (PA)	%	104	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	0 10	 	
Sodium	ppm	0	 	
Potassium	ppm	0 5	 	

\bigcirc **WEAR METALS** Iron ppm 0 11 Copper 0 244 ppm Lead 03 ppm Tin 01 ppm Aluminum 3 ppm Chromium ○ <1 ppm Molybdenum 0 45 ppm Nickel 0 ppm Titanium 0 ppm Silver 0 ppm

VES				
opm	O 1309			
opm	889			
opm	0 857			
opm	699			
opm	29			
opm	91			
	pm pm pm pm pm	pm 1309 ppm 889 ppm 857 ppm 699 ppm 29	pm 1309 pm 889 pm 857 pm 699 pm 29	pm 1309 pm 889 pm 857 pm 699 pm 29





TRAM CONSTRUCTION 9279 E KY 8 GARRISON, KY

US 41141 Contact: Service Manager

T: F:

Diagnosis

Oil and filter change at the time of sampling has been noted. 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 metal levels are typical for a new component breaking in. 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.

Depot: Unique No: Signed: Report Date: TRAGARLH 10806504 Jonathan Hester 29 Dec 2023

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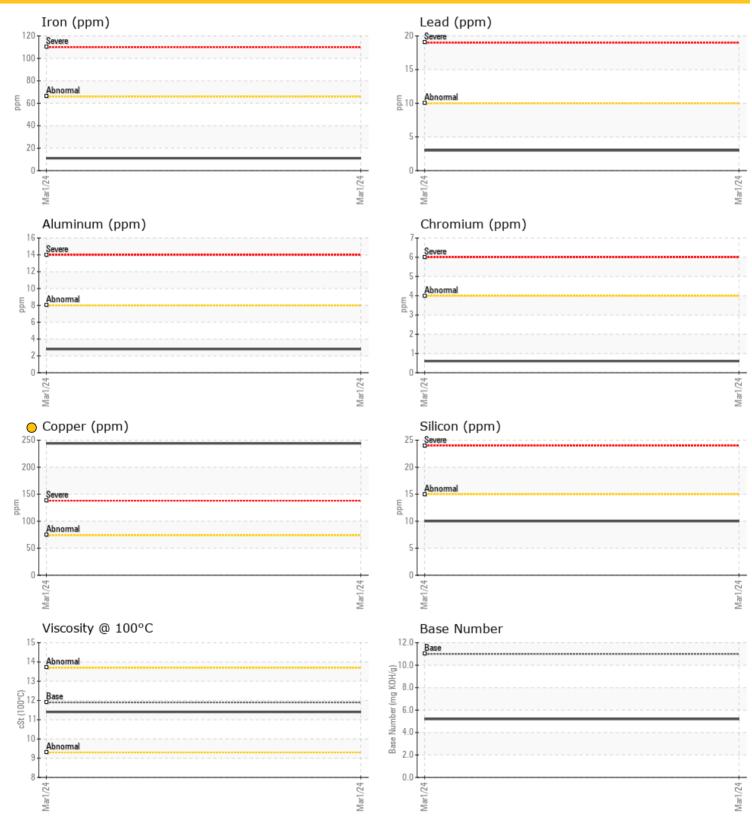
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GRAPHS

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