CONSTRUCTION EQUIPMENT

LIEBHERR LH30M 137424-1253 - Diesel Engine

PETRO CANADA DURON UHP 10W40

Sample No: LH0228732

Oil Type:

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SAMPLE INFORMATION

Sample Number	LH0228732	LH	LH0228720	
Sample Date	21 Jun 2023	02 Apr 2023	25 Nov 2022	
Machine Hours	2000	0	1000	
Oil Hours	0	0	0	
Oil Changed	Changed	N/A	Changed	
Sample Status	NORMAL	NORMAL	NORMAL	
OIL CONDITION				
Visc @ 100°C cSt	0 13.2	0 13.0	12.8	

/isc @ 100°C	cSt	0 13.2
Oxidation (PA)	%	63
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Soot %	%	0	0.8	0	
Nitration (PA)	%	64	116	74	
Sulfation (PA)	%	55	75	71	
Glycol	%	NEG	0.0	0.0	
Fuel	%	<1.0	<1.0	<1.0	
Silicon	ppm	07	0 9	6	
Sodium	ppm	0 2	5	2	
Potassium	ppm	<mark></mark> <1	0 4	○ <1	

97

92

WEAR METALS

Iron	ppm	04	0 40	5	
Copper	ppm	0 35	◯ 312	284	
Lead	ppm	01	0 10	8 🔘	
Tin	ppm	<mark></mark> <1	03	◯ <1	
Aluminum	ppm	01	0 4	2	
Chromium	ppm	<mark>()</mark> <1	03	◯ <1	
Molybdenum	ppm	58	64	56	
Nickel	ppm	0 🔘	0 ()	0	
Titanium	ppm	0	<1	◯ <1	
Silver	ppm	0 ()	0 ()	0	
Manganese	ppm	○ <1	1	◯ <1	
Vanadium	ppm	0	0	0	

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	IIVES				
Calcium	ppm	0 1035	0 1024	0 1125	
Magnesium	ppm	982	985	947	
Zinc	ppm	0 1176	1183	0 1119	
Phosphorus	ppm	0 1021	0 1051	0 1011	
Barium	ppm	○ <1	6	6	
Boron	ppm	01	0 12	0 12	



CAC ENTERPRISES GROUP INC.

2411 76th AVE EDMONTON, AB CA T6P 1P6 Contact: Melody Cui melody.cui@cacindustrials.com T: F:

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

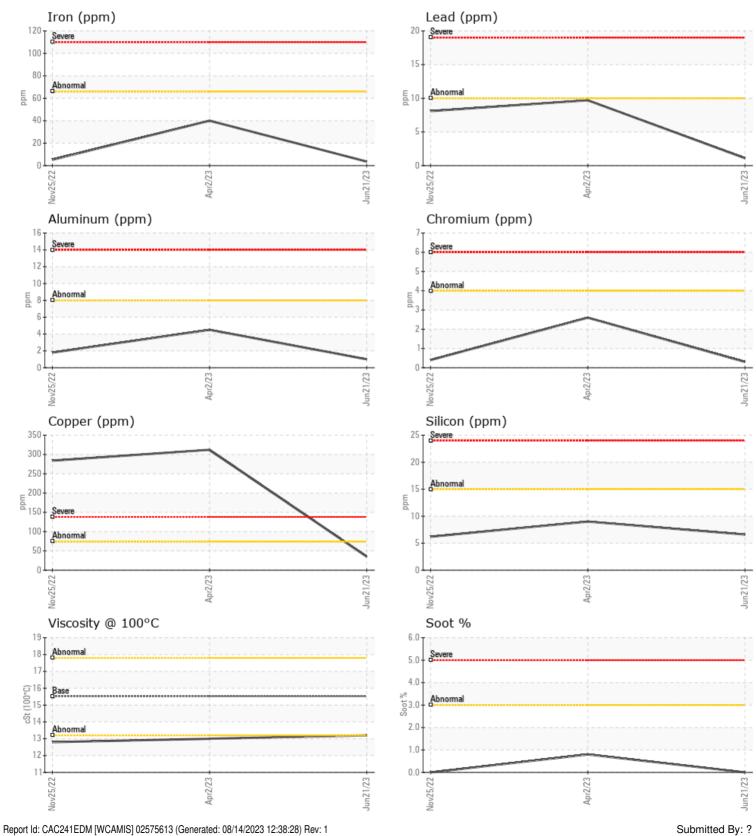
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Submitted By: ?