LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH50M 112359-1216 - Rear Right Wheel Hub

Sample No: LH0225061

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

SAMPLEINFORMATION						
Sample Number	LH0225061	LH0221783	LH0151057	LH0194351		
Sample Date	24 May 2023	02 Nov 2022	17 Feb 2022	18 Aug 2021		
Machine Hours	6000	5107	4009	3017		
Oil Hours	0	0	0	0		
Oil Changed	N/A	Changed	Changed	Changed		
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL		
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OILCO	NDITION				
Visc @ 40°C	cSt	101	108	176	101

CONT	TAMINATION	ON			
Silicon	ppm	2	O 5	O 2	O 2
Sodium	ppm	0 <1	4	○ 3	O 1
Potassium	ppm	2	O 1	O <1	O <1

(O) WEA					
WEA	R METALS				
Iron	ppm	15	○ 37	○ 30	O 10
Copper	ppm	8	O 15	O 11	O 26
Lead	ppm	0	O <1	<1	O <1
Tin	ppm	0	O 0	O 0	O <1
Aluminum	ppm	 <1	O <1	<1	O <1
Chromium	ppm	0	O 0	O <1	0
Molybdenum	ppm	0	O <1	O 0	O <1
Nickel	ppm	0	O <1	O <1	O <1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	O <1
Manganese	ppm	<1	O 1	<1	O <1
Vanadium	ppm	0	0	0	0

ADDITIVES							
Calcium	ppm	23	5	6	9		
Magnesium	ppm	2	O 1	O <1	O <1		
Zinc	ppm	25	O 12	1 1	18		
Phosphorus	ppm	1344	O 1618	2269	1493		
Barium	ppm	0	0	O <1	O 0		
Boron	ppm	265	O 184	28	233		



RICHMOND STEEL 12707 170 STREET EDMONTON, AB CA T5V 1L9

Contact: Sandor Arguello

T: (780)447-3391

F:

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: RICEDM
Unique No: 5580641
Signed: Wes Davis
Report Date: 25 May 2023

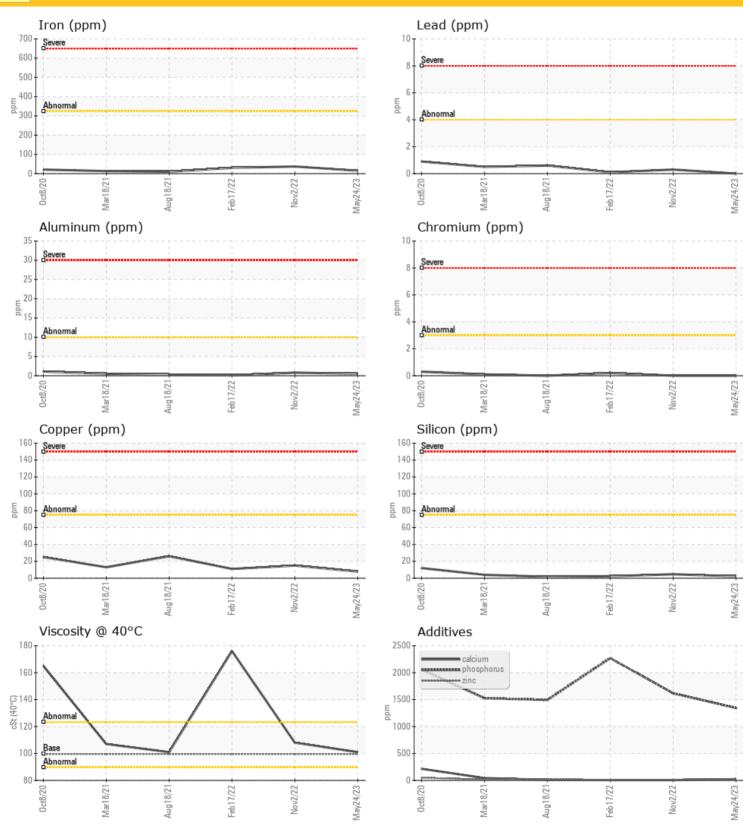
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GRAPHS



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Submitted By: ?