

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 112359-1216 - Front Left Wheel Hub

Sample No: LH0225065

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



RICHMOND STEEL
12707 170 STREET
EDMONTON, AB
CA T5V 1L9
Contact: Sandor Arguello

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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.



SAMPLE INFORMATION

Sample Number	LH0225065	LH0221782	LH0151058	LH0194354
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	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	113	123	157	110
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CONTAMINATION

Silicon	ppm	4	3	4	7
Sodium	ppm	3	4	4	5
Potassium	ppm	<1	<1	1	1



WEAR METALS

Iron	ppm	39	34	55	31
Copper	ppm	12	13	9	17
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	<1
Manganese	ppm	<1	1	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	15	15	25	58
Magnesium	ppm	2	1	<1	2
Zinc	ppm	18	14	19	30
Phosphorus	ppm	1645	1851	2100	1651
Barium	ppm	0	0	0	0
Boron	ppm	194	130	48	164

Depot: RICEDM
Unique No: 5580638
Signed: Wes Davis
Report Date: 25 May 2023



GRAPHS

