

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 112359-1216 - Front Right Wheel Hub

Sample No: LH0225063

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



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

T: (780)447-3391
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	LH0225063	LH0221785	LH0151056	LH0194353
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	105	116	159	112
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CONTAMINATION

Silicon	ppm	9	11	4	8
Sodium	ppm	14	24	5	6
Potassium	ppm	4	5	<1	2



WEAR METALS

Iron	ppm	316	349	54	30
Copper	ppm	12	16	10	20
Lead	ppm	0	<1	0	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	3	<1	1
Chromium	ppm	2	2	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	4	5	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	34	25	28	66
Magnesium	ppm	3	4	2	2
Zinc	ppm	34	24	22	35
Phosphorus	ppm	1499	1720	2147	1692
Barium	ppm	0	0	0	0
Boron	ppm	103	72	42	153

Depot: RICEDM
Unique No: 5580639
Signed: Wes Davis
Report Date: 25 May 2023

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GRAPHS

