

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 112359-1216 - Rear Left Wheel Hub

Sample No: LH0225064

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0225064	LH0221784	LH0151059	LH0194352
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

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



OIL CONDITION

Visc @ 40°C	cSt	101	107	176	101
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T: (780)447-3391
F:



CONTAMINATION

Silicon	ppm	2	4	2	2
Sodium	ppm	1	4	3	1
Potassium	ppm	<1	<1	<1	<1

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.



WEAR METALS

Iron	ppm	15	35	26	10
Copper	ppm	7	15	10	26
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	23	4	6	9
Magnesium	ppm	2	<1	<1	<1
Zinc	ppm	25	12	10	18
Phosphorus	ppm	1338	1597	2262	1503
Barium	ppm	0	0	<1	0
Boron	ppm	264	185	28	235

Depot: RICEDM
Unique No: 5580643
Signed: Wes Davis
Report Date: 25 May 2023



GRAPHS

