

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 112359-1216 - Rear Right Wheel Hub

Sample No: LH0269706

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0269706	LH0225061	LH0221783	LH0151057
Sample Date	03 Jan 2024	24 May 2023	02 Nov 2022	17 Feb 2022
Machine Hours	7308	6000	5107	4009
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	105	101	108	176
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T: (780)447-3391
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	5	2
Sodium	ppm	<1	<1	4	3
Potassium	ppm	1	2	1	<1

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.



WEAR METALS

Iron	ppm	10	15	37	30
Copper	ppm	20	8	15	11
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	13	23	5	6
Magnesium	ppm	1	2	1	<1
Zinc	ppm	20	25	12	11
Phosphorus	ppm	1209	1344	1618	2269
Barium	ppm	0	0	0	<1
Boron	ppm	294	265	184	28

Depot: RICEDM
Unique No: 5708281
Signed: Kevin Marson
Report Date: 08 Jan 2024



GRAPHS

