

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 097459-1216 - Front Differential

Sample No: LH0250294

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



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SAMPLE INFORMATION

Sample Number	LH0250294	LH0238565	LH0230415	LH0194736
Sample Date	31 May 2023	24 Oct 2022	05 May 2022	29 Oct 2021
Machine Hours	26834	1000	22099	20093
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	101	101	98.8	104
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CONTAMINATION

Silicon	ppm	2	2	1	2
Sodium	ppm	<1	<1	0	<1
Potassium	ppm	<1	0	<1	<1



WEAR METALS

Iron	ppm	4	3	5	4
Copper	ppm	<1	<1	1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	9	23	50	8
Magnesium	ppm	1	2	2	2
Zinc	ppm	9	12	33	7
Phosphorus	ppm	1353	1357	1280	1403
Barium	ppm	0	0	0	0
Boron	ppm	316	322	302	351

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.

Depot: JDITRU
 Unique No: 5590891
 Signed: Wes Davis
 Report Date: 05 Jun 2023



GRAPHS

