

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 097459-1216 - Rear Differential

Sample No: LH0238566

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



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SAMPLE INFORMATION

Sample Number	LH0238566	LH0230395	LH0194737	LH0183463
Sample Date	24 Oct 2022	05 May 2022	29 Oct 2021	08 Feb 2021
Machine Hours	1000	22049	20093	8850
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	99.2	97.9	102	98.9
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CONTAMINATION

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



WEAR METALS

Iron	ppm	18	26	13	11
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	<1	0	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	21	7	8	6
Magnesium	ppm	2	1	2	2
Zinc	ppm	12	7	8	7
Phosphorus	ppm	1328	1314	1392	1197
Barium	ppm	0	0	0	0
Boron	ppm	312	319	348	308

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: 5475461
Signed: Wes Davis
Report Date: 25 Oct 2022



GRAPHS

