

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 097459-1216 - Rear Differential

Sample No: LH0277106

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



J.D. Irving
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SAMPLE INFORMATION

Sample Number	LH0277106	LH0250293	LH0238566	LH0230395
Sample Date	23 Oct 2023	31 May 2023	24 Oct 2022	05 May 2022
Machine Hours	28718	26834	1000	22049
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	101	97.8	99.2	97.9



CONTAMINATION

Element	ppm	6	1	2	2
Silicon	ppm	6	1	2	2
Sodium	ppm	5	1	1	<1
Potassium	ppm	<1	1	0	0



WEAR METALS

Element	ppm	29	14	18	26
Iron	ppm	29	14	18	26
Copper	ppm	2	<1	<1	<1
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	<1	<1	0	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Element	ppm	12	23	21	7
Calcium	ppm	12	23	21	7
Magnesium	ppm	4	11	2	1
Zinc	ppm	13	24	12	7
Phosphorus	ppm	1301	1308	1328	1314
Barium	ppm	<1	0	0	0
Boron	ppm	329	301	312	319

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: 5668210
 Signed: Wes Davis
 Report Date: 23 Oct 2023

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GRAPHS

