

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 110456-1216 - Rear Differential

Sample No: LH0278427

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



J.D. Irving

Truro Sawmill, 529 Valley Dale Road  
Truro, NS  
CA B2N 5C5  
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#### SAMPLE INFORMATION

Sample Number	LH0278427	LH0277120	LH0234609	LH0246694
Sample Date	29 Jan 2024	13 Oct 2023	01 Apr 2023	15 Dec 2022
Machine Hours	18585	17581	16012	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	98.6	100	101	101



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	3	2	2
Sodium	ppm	2	<1	<1	1
Potassium	ppm	<1	0	0	0



#### WEAR METALS

Iron	ppm	11	31	13	21
Copper	ppm	3	8	3	6
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	14	17	63	17
Magnesium	ppm	2	<1	2	1
Zinc	ppm	25	24	39	18
Phosphorus	ppm	935	1276	1324	1304
Barium	ppm	0	<1	0	0
Boron	ppm	227	321	315	316

#### 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: 5723864  
Signed: Wes Davis  
Report Date: 12 Feb 2024



### GRAPHS

