

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 097459-1216 - Rear Differential

Sample No: LH0230395

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



J.D. Irving
 Truro Sawmill, 529 Valley Dale Road
 Truro, NS
 CA B2N 5C5
 Contact: Sheldon Richardson
 richardson.sheldon@jd Irving.com
 T: (902)890-9419
 F:



SAMPLE INFORMATION

Sample Number	LH0230395	LH0194737	LH0183463	LH0180231
Sample Date	05 May 2022	29 Oct 2021	08 Feb 2021	06 Oct 2020
Machine Hours	22049	20093	8850	0
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	97.9	102	98.9	97.3
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CONTAMINATION

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



WEAR METALS

Iron	ppm	26	13	11	12
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	<1	0
Tin	ppm	0	<1	0	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	7	8	6	6
Magnesium	ppm	1	2	2	2
Zinc	ppm	7	8	7	5
Phosphorus	ppm	1314	1392	1197	1232
Barium	ppm	0	0	0	0
Boron	ppm	319	348	308	321

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: 5409259
 Signed: Kevin Marson
 Report Date: 02 Jun 2022



GRAPHS

