

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 097459-1216 - Rear Right Wheel Hub

Sample No: LH0183462

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



**J.D. Irving**  
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#### SAMPLE INFORMATION

Sample Number	<b>LH0183462</b>	LH0180232	LH	LH0139127
Sample Date	<b>08 Feb 2021</b>	06 Oct 2020	07 Jul 2020	01 Mar 2020
Machine Hours	<b>8850</b>	0	0	13987
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>N/A</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	<b>99.1</b>	97.3	91.7	93.6
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#### CONTAMINATION

Silicon	ppm	<b>2</b>	2	2	2
Sodium	ppm	<b>&lt;1</b>	<1	<1	0
Potassium	ppm	<b>&lt;1</b>	<1	1	<1



#### WEAR METALS

Iron	ppm	<b>12</b>	12	10	23
Copper	ppm	<b>&lt;1</b>	<1	<1	1
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>0</b>	<1	<1	0
Aluminum	ppm	<b>&lt;1</b>	<1	<1	<1
Chromium	ppm	<b>0</b>	0	0	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	0
Nickel	ppm	<b>&lt;1</b>	0	<1	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>&lt;1</b>	<1	0	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



#### ADDITIVES

Calcium	ppm	<b>7</b>	6	5	7
Magnesium	ppm	<b>2</b>	2	1	1
Zinc	ppm	<b>6</b>	5	5	7
Phosphorus	ppm	<b>1215</b>	1233	1247	1301
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>312</b>	320	306	339

#### 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:** 5174447  
**Signed:** Wes Davis  
**Report Date:** 10 Feb 2021



### GRAPHS

