# LIEBHERR

# **CONSTRUCTION EQUIPMENT**

## LIEBHERR LH50M 097459-1216 - Front Differential

Sample No: LH0183459

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

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U SAM	PLE INFO	<b>DRMATION</b>			
Sample Number		LH0183459	LH0180238	LH	LH0139131
Sample Date		08 Feb 2021	06 Oct 2020	07 Jul 2020	01 Mar 2020
Machine Hours		8850	0	0	13987
Oil Hours		0	0	0	0
Oil Changed		N/A	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
<b>A</b>		110111111			
OILC	ONDITIO	ON			
/isc @ 40°C	cSt	<b>102</b>	O 100	O 94.2	O 101
-1		<b>O</b> 102	0.00	0 0=	0
CON	TAMINA	TION			
Silicon	ppm	<b>3</b>	02	O 2	O 2
Sodium	ppm	O <1	0 <1	O <1	0 0
Potassium	ppm	0<1	00	0 1	0 <1
(Ö)	T P			Ü	
WEA	R META	LS			
ron	ppm	<b>2</b>	<b>3</b>	O 2	<b>3</b>
Copper	ppm	<b>0</b> <1	O 1	O <1	O <1
_ead	ppm	<b>0</b>	O 0	O	0
Γin	ppm	<b>0</b>	O 0	O <1	0
Aluminum	ppm	<b>0</b> <1	<b></b> <1	0	<b></b> <1
Chromium	ppm	<b>0</b>	O 0	O 0	0
Nolybdenum	ppm	<b>3</b>	<b>5</b>	O	0
Nickel	ppm	<b>0</b>	O 0	O 0	<b>O</b> <1
Titanium	ppm	0	0	0	0
Silver	ppm	<b>○</b> <1	O <1	O	O <1
Manganese	ppm	<b>0</b>	O 0	O	0
/anadium	ppm	0	0	0	0
ADD	ITIVES				
Calcium	ppm	<b>61</b>	<b>9</b> 0	<b>4</b>	<b>6</b>
/lagnesium	ppm	<b>49</b>	O 82	0 2	O <1
Zinc	ppm	<b>69</b>	O 111	<b>5</b>	<b>O</b> 6
Phosphorus	ppm	<b>1171</b>	O 1191	O 1213	O 1264
Barium	ppm	<b>0</b> 0	0	0	0
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287

301



#### J.D. Irving

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F:

#### 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:JDITRUUnique No:5174446Signed:Wes DavisReport Date:10 Feb 2021

332

**287** 

ppm

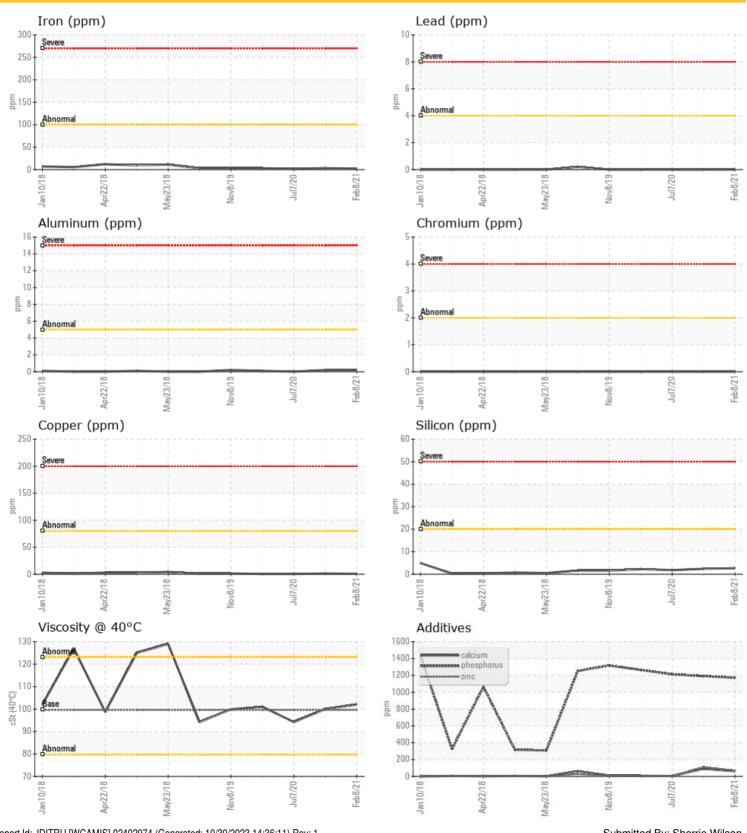
Boron

**CONSTRUCTION EQUIPMENT** 





### **GRAPHS**



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Submitted By: Sherrie Wilson