# LIEBHERR

**CONSTRUCTION EQUIPMENT** 

## LIEBHERR LH50M 097459-1216 - Rear Differential

Sample No: LH0183463

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

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U SAM	PLE INFO	DRMATION			
Sample Number		LH0183463	LH0180231	LH	LH0139132
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
<u> </u>					
OIL	ONDITIO	ON			
visc @ 40°C	cSt	O 98.9	97.3	O 91.6	93.6
-4					
CON	TAMINA	TION			
Silicon	ppm	<b>2</b>	O 2	<b>2</b>	O 2
Sodium	ppm	<b>0</b> <1	O <1	O <1	0
Potassium	ppm	<b>0</b> 0	O <1	O 1	O <1
(O) WEA		1.0			
WEA	R META				
ron	ppm	O 11	O 12	O 11	O 22
Copper	ppm	<b>○</b> <1	O <1	O <1	O 1
_ead	ppm	<b>O</b> <1	O 0	O 0	0
Γin	ppm	<b>0</b> 0	O <1	0	0
Aluminum	ppm	<b>O</b> <1	O <1	O 0	O <1
Chromium	ppm	<b>0</b>	O <1	0	O <1
Molybdenum	ppm	<b>0</b> 0	0 <1	0 <1	O <1
Nickel	ppm	<b>()</b> <1	0	0	O <1
Γitanium	ppm	0	0	0	0
Silver	ppm	O <1	O <1	O 0	O <1
Manganese	ppm	<b>O</b> <1	0 <1	O <1	O <1
/anadium	ppm	0	0	0	0
ADD	ITIVES				
Calcium	ppm	<b>6</b>	<b>O</b> 6	O 5	0 7
Magnesium	ppm	O 2	02	0 1	01
Zinc	ppm	07	05	O 5	07
Phosphorus	ppm	O 1197	O 1232	O 1234	1302
Barium	ppm	0	00	0	00
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321

304



#### J.D. Irving

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#### 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: 5174441
Signed: Wes Davis
Report Date: 10 Feb 2021

340

**308** 

ppm

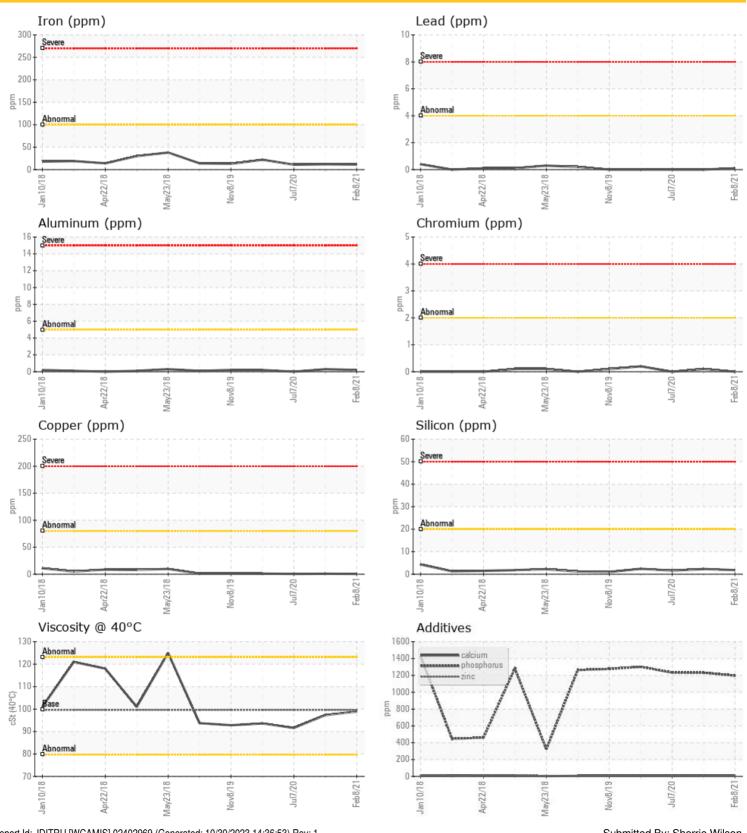
Boron

**CONSTRUCTION EQUIPMENT** 





### **GRAPHS**



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Submitted By: Sherrie Wilson