

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 097459-1216 - Splitter Box

Sample No: LH0238564

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	<b>LH0238564</b>	LH0230467	LH0183923	LH0180352
Sample Date	<b>24 Oct 2022</b>	25 Jul 2022	05 May 2022	03 Apr 2022
Machine Hours	<b>23665</b>	0	22049	21571
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>N/A</b>	N/A	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**J.D. Irving**

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F:



#### OIL CONDITION

Visc @ 40°C	cSt	<b>84.3</b>	81.7	80.8	88.6
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#### CONTAMINATION

Silicon	ppm	<b>3</b>	4	<1	6
Sodium	ppm	<b>2</b>	1	<1	1
Potassium	ppm	<b>&lt;1</b>	<1	0	<1



#### WEAR METALS

Iron	ppm	<b>13</b>	11	12	12
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	<1	<1	<1
Chromium	ppm	<b>0</b>	0	0	0
Molybdenum	ppm	<b>0</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	<1	0	<1
Vanadium	ppm	<b>0</b>	0	0	0



#### ADDITIVES

Calcium	ppm	<b>21</b>	42	32	23
Magnesium	ppm	<b>4</b>	12	10	12
Zinc	ppm	<b>84</b>	114	121	78
Phosphorus	ppm	<b>1205</b>	1113	1133	1220
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>276</b>	263	252	292

#### Diagnosis

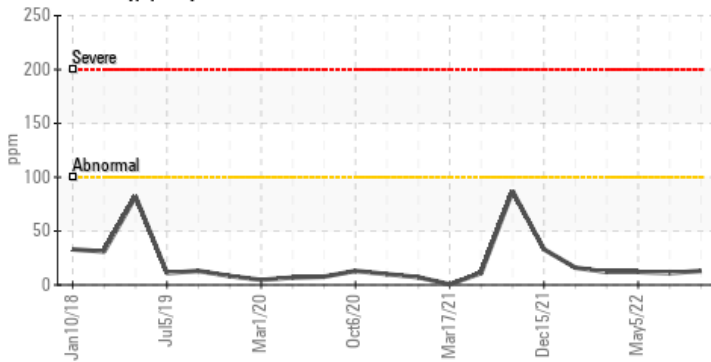
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: JDITRU  
Unique No: 5475465  
Signed: Wes Davis  
Report Date: 25 Oct 2022

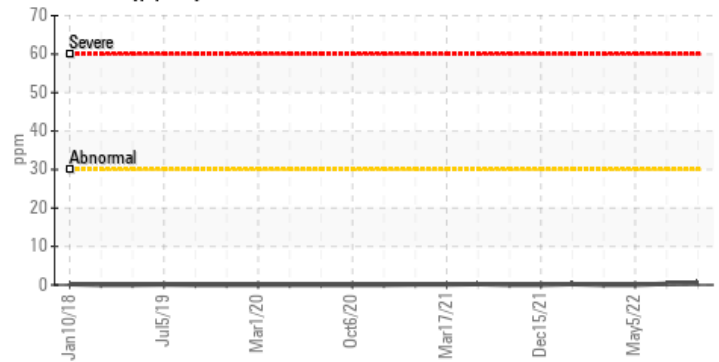


### GRAPHS

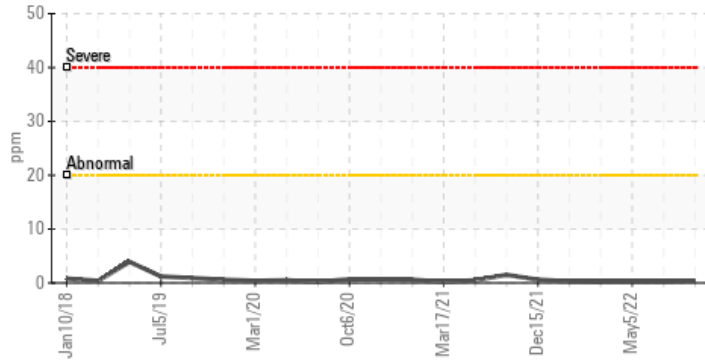
Iron (ppm)



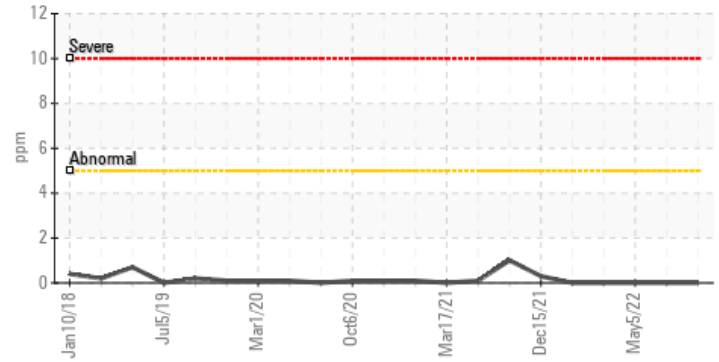
Lead (ppm)



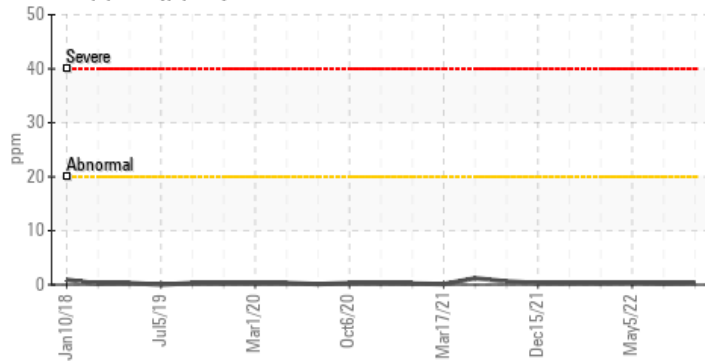
Aluminum (ppm)



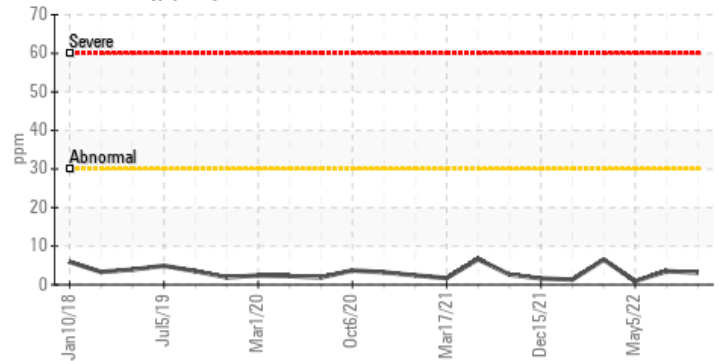
Chromium (ppm)



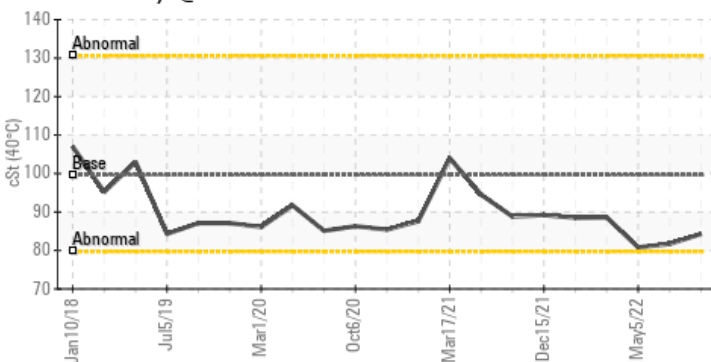
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

