# LIEBHERR

## **CONSTRUCTION EQUIPMENT**



Sample No: LH0225021

Oil Type: GEAR OIL SAE 75W90

Ō SAN	APLE INF	ORMATION			
Sample Number		LH0225021	LH0269742	LH0225122	LH0224985
Sample Date		21 Jan 2024	30 Aug 2023	29 May 2023	14 Mar 2023
Machine Hours		1940	1423	971	577
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Not Changd	Changed
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
OIL	CONDITI	ON			
/isc @ 40°C	cSt	99.1	<b>106</b>	O 124	194
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CONTAMINATION							
Water	%	NEG	NEG	NEG	NEG		
Silicon	ppm	<b>5</b>	<b>5</b>	<b>5</b>	<b>O</b> 1		
Sodium	ppm	<b>0</b> <1	O 1	O 2	<b>4</b>		
Potassium	ppm	<b>1</b>	O 1	<b>1</b>	O 1		

WEA	R METALS				
Iron	ppm	<b>21</b>	O 20	O 20	○ 33
Copper	ppm	<b>0</b> <1	O <1	O <1	<b>1</b>
Lead	ppm	<b>0</b>	O 0	O <1	O <1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>1</b>	O <1	O <1	O <1
Chromium	ppm	<b>0</b>	O <1	0	O <1
Molybdenum	ppm	<b>0</b>	0	O 0	0
Nickel	ppm	<b>0</b>	0	0	O <1
Titanium	ppm	<b>0</b>	O 0	0	O <1
Silver	ppm	0	0	<1	0
Manganese	ppm	<b>0</b>	O <1	O 0	<b>1</b>
Vanadium	ppm	0	0	0	0

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Vanadium	ppm	0	0	0	0	
ADDITIVES						
- ADD	HIIVES					
Calcium	ppm	<b>23</b>	<b>18</b>	O 22	O 13	
Magnesium	ppm	<b>2</b>	O 2	<b>2</b>	O 2	
Zinc	ppm	<b>25</b>	O 21	<b>20</b>	O 24	
Phosphorus	ppm	<b>1273</b>	O 1364	<b>1419</b>	O 1635	
Barium	ppm	<b>0</b>	O	<1	0	
Boron	ppm	<b>282</b>	<b>270</b>	O 192	O 1	



#### LIEBHERR CANADA LTD.

10374 267 ST. ACHESON, AB CA T7X 6A2 Contact: Dustin Fluet

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#### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 75W90. Please confirm.

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.

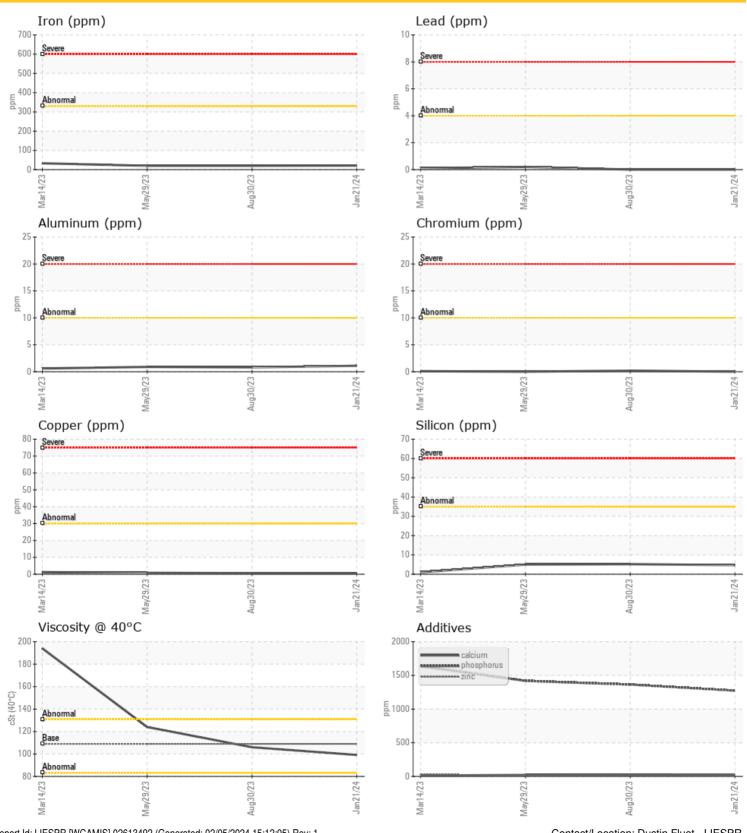
Depot: LIESPR
Unique No: 5722587
Signed: Wes Davis
Report Date: 05 Feb 2024

Contact/Location: Dustin Fluet - LIESPR





### **GRAPHS**



Report Id: LIESPR [WCAMIS] 02613492 (Generated: 02/05/2024 15:12:05) Rev: 1

Contact/Location: Dustin Fluet - LIESPR