



# LIEBHERR

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area  
**(357697)**  
Machine Id  
**LIEBHERR PR766 016664-1421**  
Component  
**Diesel Engine**  
Fluid  
**DIESEL ENGINE OIL SAE 40 (65 LTR)**

### RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0265147	---	---
Sample Date		Client Info		04 May 2024	---	---
Machine Age	hrs	Client Info		8837	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	2	---	---
Chromium	ppm	ASTM D5185(m)	>5	0	---	---
Nickel	ppm	ASTM D5185(m)	>5	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>15	2	---	---
Lead	ppm	ASTM D5185(m)	>30	2	---	---
Copper	ppm	ASTM D5185(m)	>125	112	---	---
Tin	ppm	ASTM D5185(m)	>5	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

### CONTAMINATION

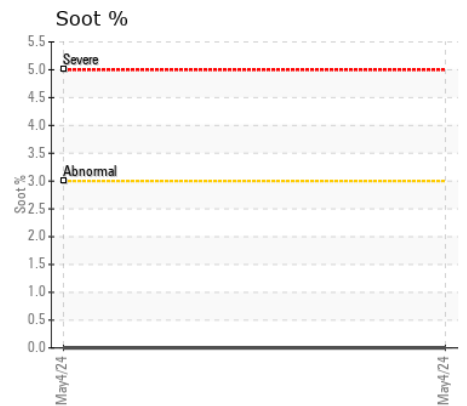
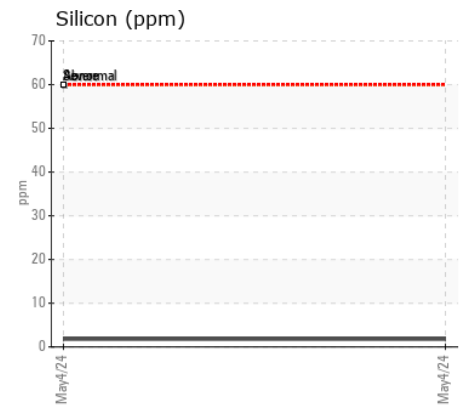
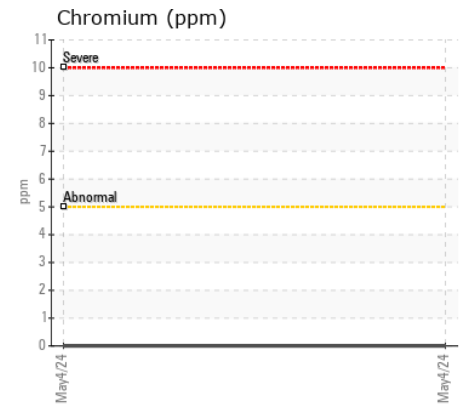
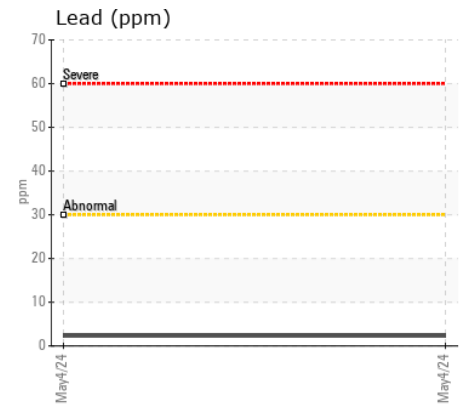
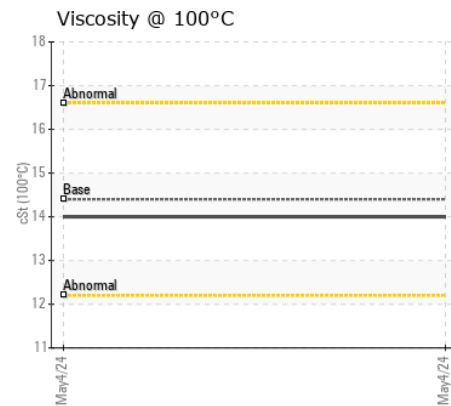
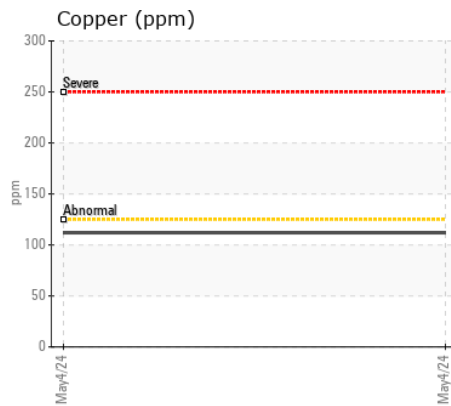
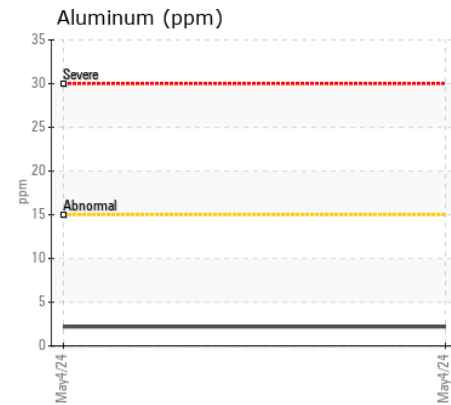
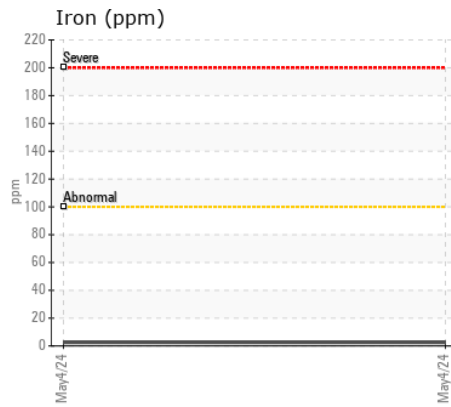
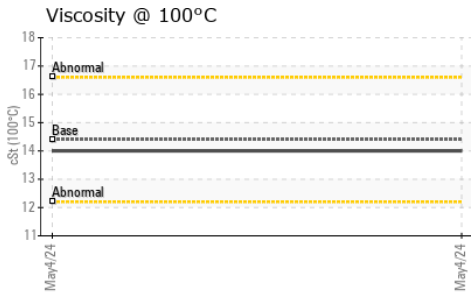
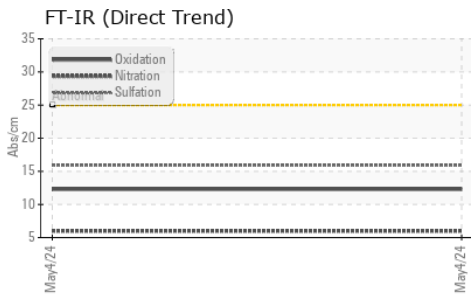
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>60	2	---	---
Potassium	ppm	ASTM D5185(m)	>20	0	---	---
Fuel		WC Method	>5	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	6.0	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	15.9	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

### FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>216	<1	---	---
Boron	ppm	ASTM D5185(m)	250	2	---	---
Barium	ppm	ASTM D5185(m)	10	0	---	---
Molybdenum	ppm	ASTM D5185(m)	100	<1	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)	450	23	---	---
Calcium	ppm	ASTM D5185(m)	3000	2160	---	---
Phosphorus	ppm	ASTM D5185(m)	1150	941	---	---
Zinc	ppm	ASTM D5185(m)	1350	1060	---	---
Sulfur	ppm	ASTM D5185(m)	4250	3088	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	12.3	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	14.0	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0265147  
**Lab Number** : 02633405  
**Unique Number** : 5774558  
**Test Package** : MOB 1  
**Received** : 06 May 2024  
**Tested** : 06 May 2024  
**Diagnosed** : 07 May 2024 - Kevin Marson

**HEAVY IRON INC**  
 370145 79 STREET EAST  
 ALDERSYDE, AB  
 CA T0L 0A0  
 Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

T:  
F: