



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
(360536)
Machine Id
LIEBHERR LR636 022632-1725
Component
Left Final Drive
Fluid
GEAR OIL SAE 75W90 (--- GAL)

RECOMMENDATION

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0290983	LH0247528	---
Sample Date		Client Info		30 May 2024	06 Jun 2023	---
Machine Age	hrs	Client Info		2563	1723	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	62	195	---
Chromium	ppm	ASTM D5185(m)	>10	<1	2	---
Nickel	ppm	ASTM D5185(m)	>10	<1	1	---
Titanium	ppm	ASTM D5185(m)		<1	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>25	2	3	---
Lead	ppm	ASTM D5185(m)	>25	0	2	---
Copper	ppm	ASTM D5185(m)	>50	23	43	---
Tin	ppm	ASTM D5185(m)	>10	<1	3	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

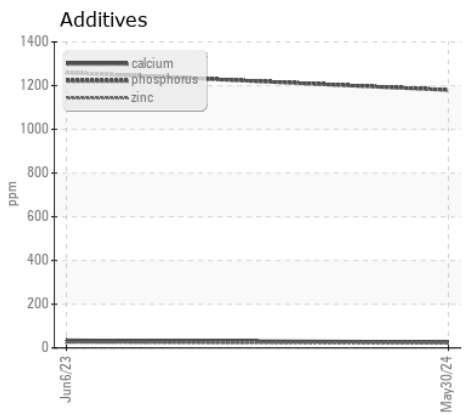
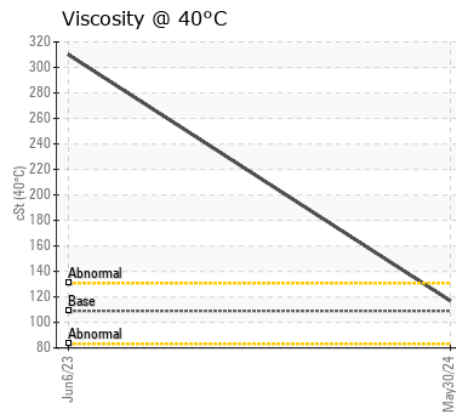
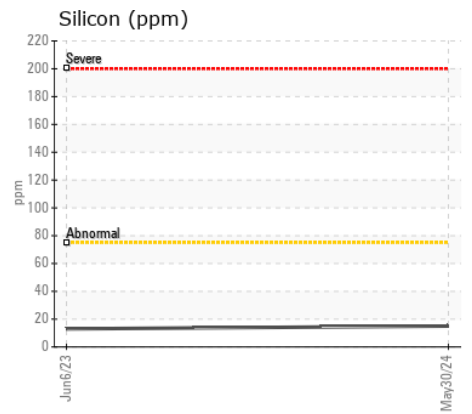
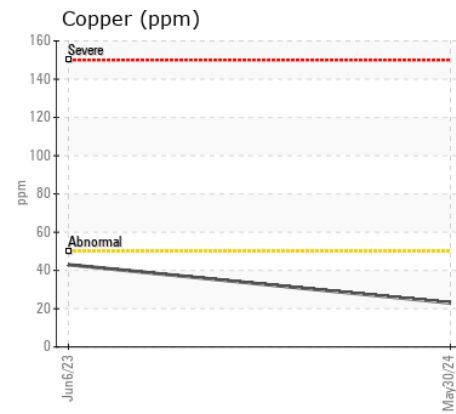
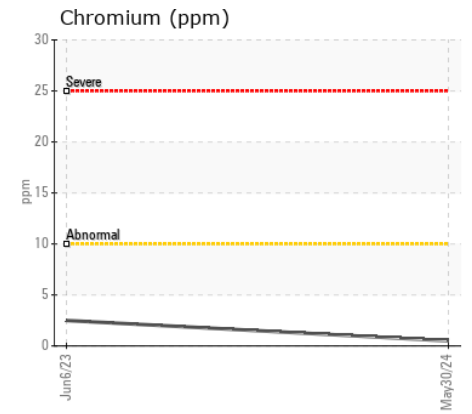
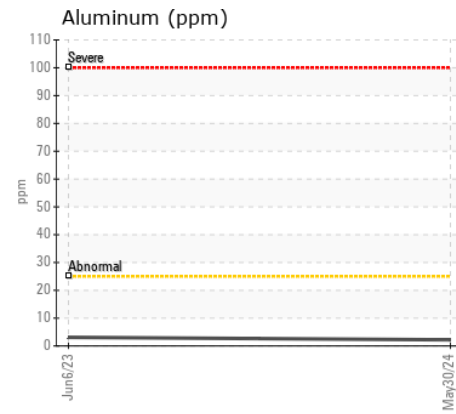
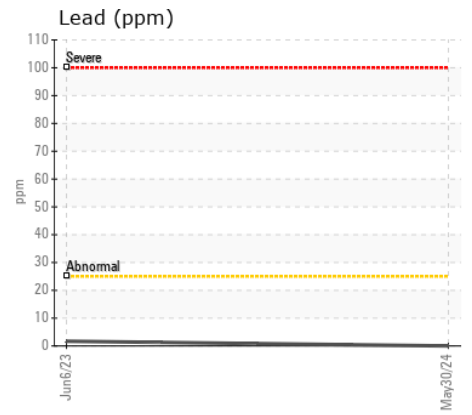
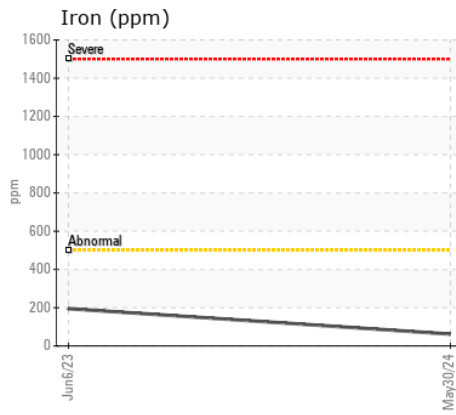
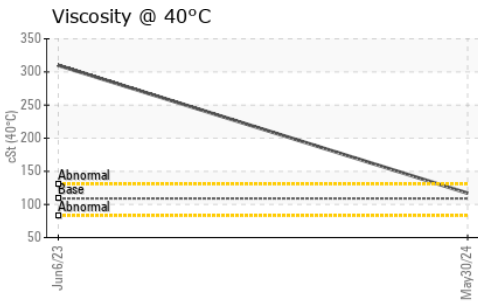
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	15	13	---
Potassium	ppm	ASTM D5185(m)	>20	1	1	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		3	4	---
Boron	ppm	ASTM D5185(m)	400	237	4	---
Barium	ppm	ASTM D5185(m)	200	16	64	---
Molybdenum	ppm	ASTM D5185(m)	12	0	<1	---
Manganese	ppm	ASTM D5185(m)		<1	4	---
Magnesium	ppm	ASTM D5185(m)	12	3	2	---
Calcium	ppm	ASTM D5185(m)	150	27	35	---
Phosphorus	ppm	ASTM D5185(m)	1650	1180	1260	---
Zinc	ppm	ASTM D5185(m)	125	21	25	---
Sulfur	ppm	ASTM D5185(m)	22500	21565	27378	---
Visc @ 40°C	cSt	ASTM D7279(m)	109	117	310	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0290983
Lab Number : 02639227
Unique Number : 5788389
Test Package : MOB 1
Received : 31 May 2024
Tested : 31 May 2024
Diagnosed : 31 May 2024 - Wes Davis

DC PROJECT CONSULTING MANAGEMENT
 11 DANSK COURT
 ETOBICOKE, ON
 CA M9W 5N6
 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: