



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR LR636 018081-1275

Component
Left Unknown Component

Fluid
{not provided} (--- GAL)

RECOMMENDATION

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. We advise that you check all areas where dirt can enter the system. We recommend that you drain the sample from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Please provide more complete information on your next sample.

WEAR

Component wear rates appear to be normal (unconfirmed).

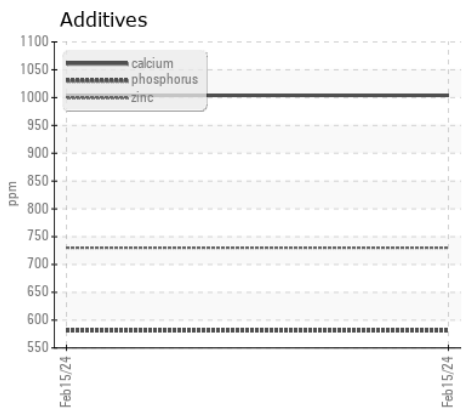
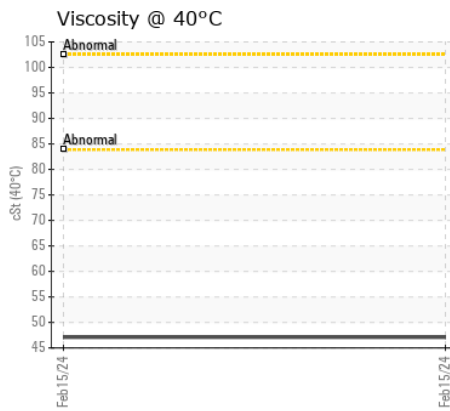
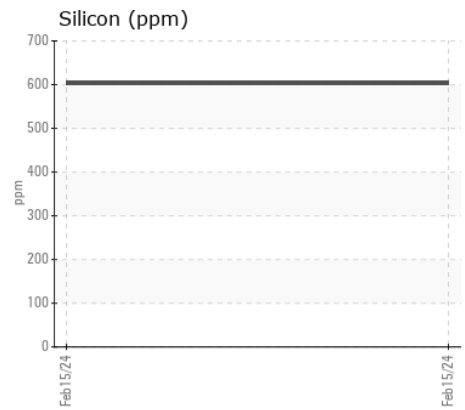
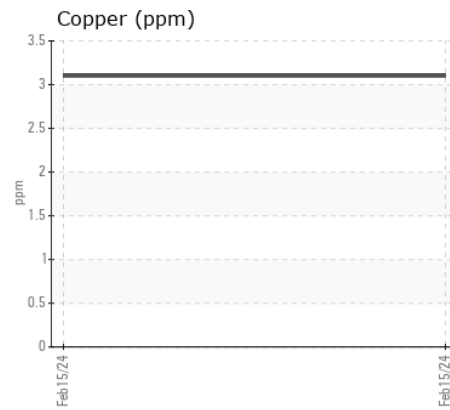
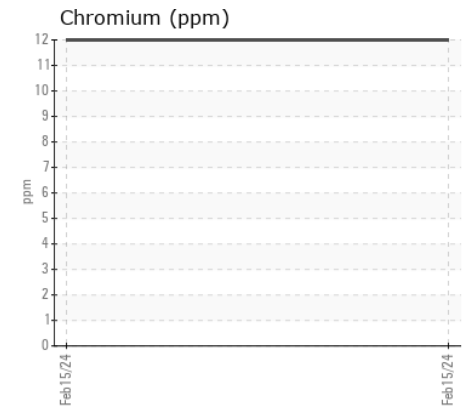
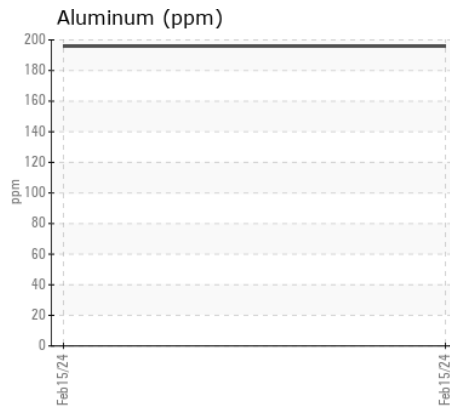
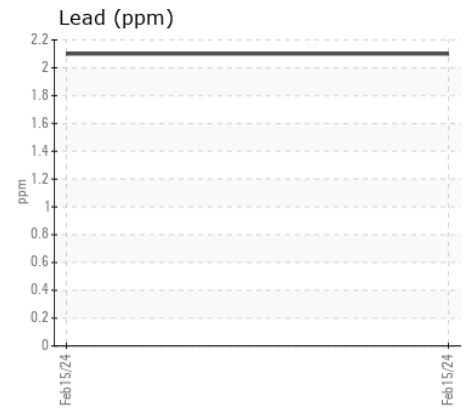
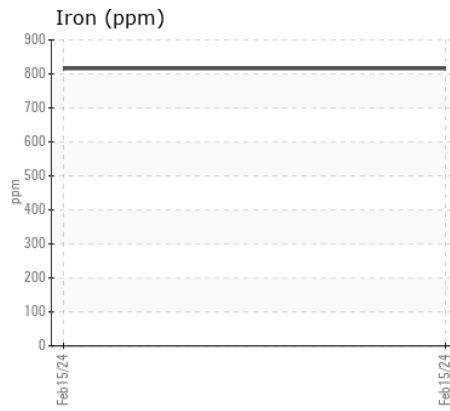
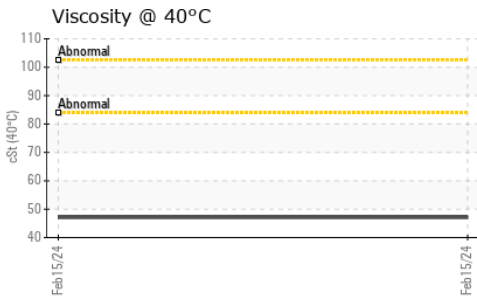
CONTAMINATION

Moderate concentration of visible dirt/debris present in the sample.

FLUID CONDITION

The sample is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0278841	---	---
Sample Date		Client Info		15 Feb 2024	---	---
Machine Age	hrs	Client Info		5913	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185(m)		816	---	---
Chromium	ppm	ASTM D5185(m)		12	---	---
Nickel	ppm	ASTM D5185(m)		14	---	---
Titanium	ppm	ASTM D5185(m)		15	---	---
Silver	ppm	ASTM D5185(m)		<1	---	---
Aluminum	ppm	ASTM D5185(m)		196	---	---
Lead	ppm	ASTM D5185(m)		2	---	---
Copper	ppm	ASTM D5185(m)		3	---	---
Tin	ppm	ASTM D5185(m)		0	---	---
Vanadium	ppm	ASTM D5185(m)		2	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)		603	---	---
Potassium	ppm	ASTM D5185(m)	>20	60	---	---
Water		WC Method		NEG	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	▲ MODER	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*		NEG	---	---
Sodium	ppm	ASTM D5185(m)		22	---	---
Boron	ppm	ASTM D5185(m)		2	---	---
Barium	ppm	ASTM D5185(m)		<1	---	---
Molybdenum	ppm	ASTM D5185(m)		1	---	---
Manganese	ppm	ASTM D5185(m)		10	---	---
Magnesium	ppm	ASTM D5185(m)		70	---	---
Calcium	ppm	ASTM D5185(m)		1004	---	---
Phosphorus	ppm	ASTM D5185(m)		581	---	---
Zinc	ppm	ASTM D5185(m)		730	---	---
Sulfur	ppm	ASTM D5185(m)		2392	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		47.1	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0278841 **Received** : 20 Feb 2024
Lab Number : 02616727 **Tested** : 20 Feb 2024
Unique Number : 5733837 **Diagnosed** : 21 Feb 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: Bottom)

CON-DRAIN LTD.
 30 FLORAL PARKWAY
 CONCORD, ON
 CA L4K 4R1
 Contact: B BAXTER
 B.BAXTER@CONDRAIN.COM

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: