



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR L566 1484-60217
Component
Front Left Wheel Hub
Fluid
{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

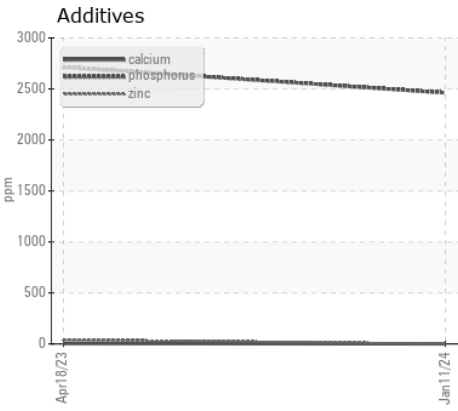
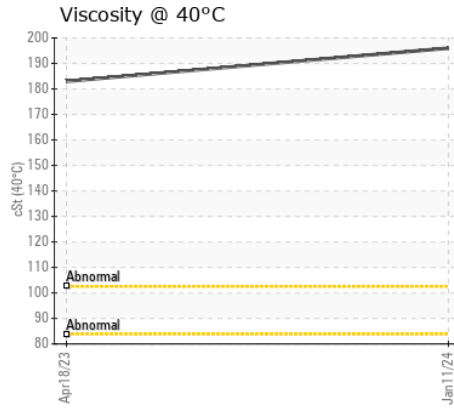
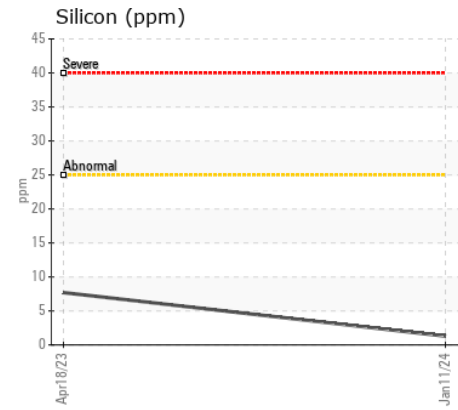
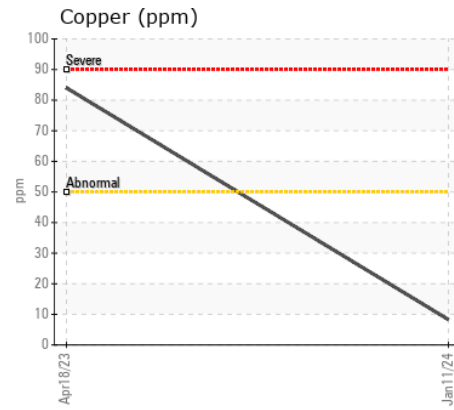
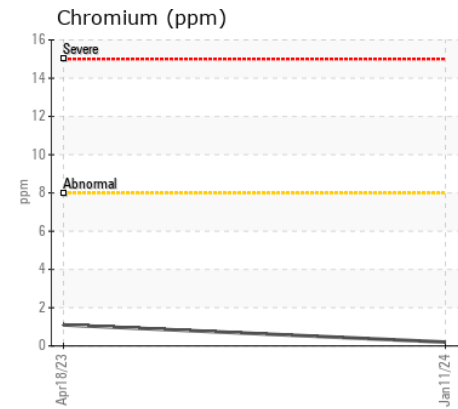
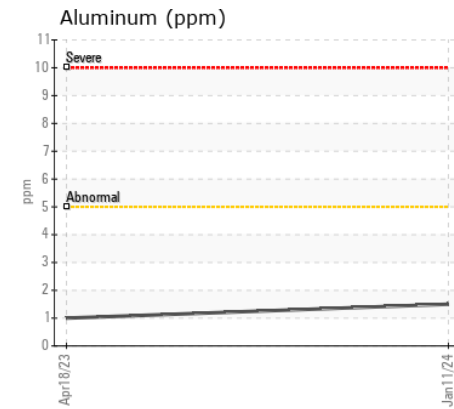
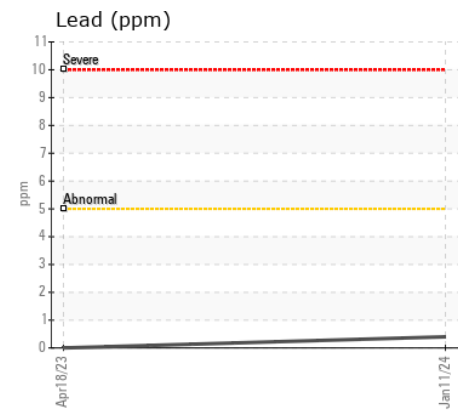
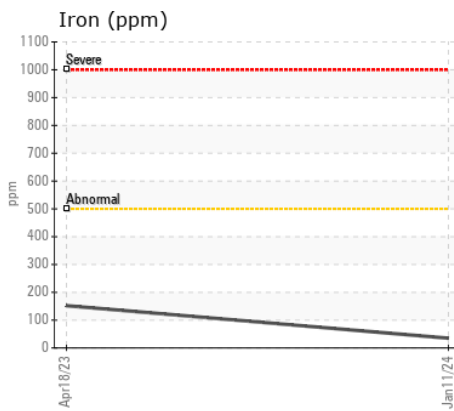
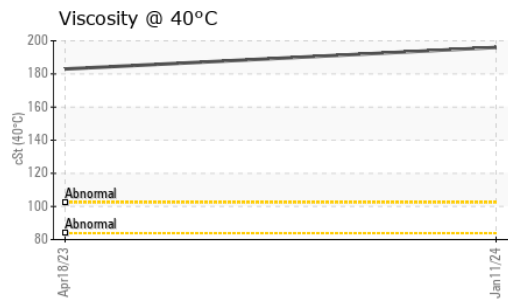
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0263750	LH0263728	---
Sample Date		Client Info		11 Jan 2024	18 Apr 2023	---
Machine Age	hrs	Client Info		5070	3000	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>500	35	152	---
Chromium	ppm	ASTM D5185m	>8	<1	1	---
Nickel	ppm	ASTM D5185m	>5	<1	2	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	3	---
Aluminum	ppm	ASTM D5185m	>5	2	1	---
Lead	ppm	ASTM D5185m	>5	<1	0	---
Copper	ppm	ASTM D5185m	>50	8	▲ 84	---
Tin	ppm	ASTM D5185m		<1	2	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	MODER	▲ HEAVY	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>25	1	8	---
Potassium	ppm	ASTM D5185m	>20	2	3	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	MODER	---
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	---
Sodium	ppm	ASTM D5185m		0	3	---
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m		2	0	---
Molybdenum	ppm	ASTM D5185m		4	6	---
Manganese	ppm	ASTM D5185m		1	15	---
Magnesium	ppm	ASTM D5185m		<1	3	---
Calcium	ppm	ASTM D5185m		2	6	---
Phosphorus	ppm	ASTM D5185m		2462	2714	---
Zinc	ppm	ASTM D5185m		0	41	---
Sulfur	ppm	ASTM D5185m		31456	47245	---
Visc @ 40°C	cSt	ASTM D445		196	183	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LH0263750 **Received** : 12 Jan 2024
Lab Number : 06059649 **Diagnosed** : 14 Jan 2024
Unique Number : 10831031 **Diagnostician** : Wes Davis
Test Package : MOBCE

MR BULTS INC
 2627 E 139TH ST
 BURNHAM, IL
 US 60633
 Contact: SERVICE MANAGER

To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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 F: