



LIEBHERR

OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

SEVERE

NORMAL

NORMAL



Area
(350505)
Machine Id
LIEBHERR L566 063481-1758
Component
Front Left Wheel Hub
Fluid
LIEBHERR GEAR BASIC 90 LS (--- GAL)

RECOMMENDATION

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Confirm the source of the lubricant being utilized for top-up/fill. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

WEAR

Le taux d'antimoine est important.

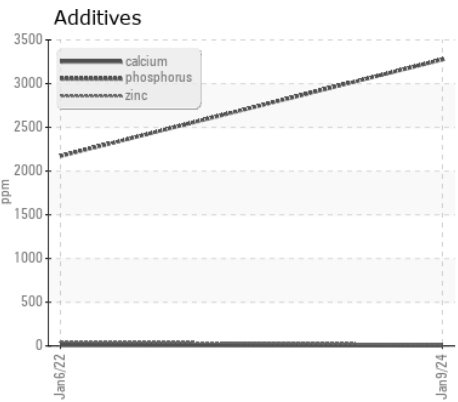
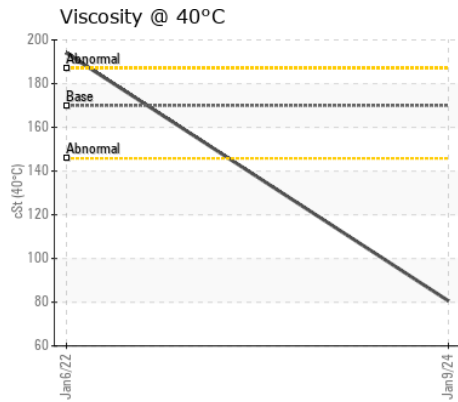
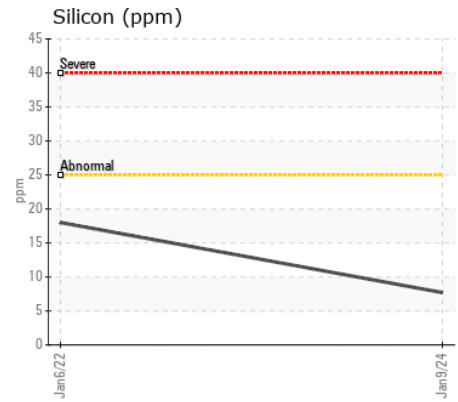
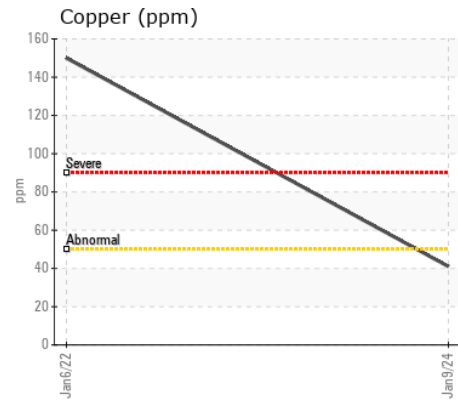
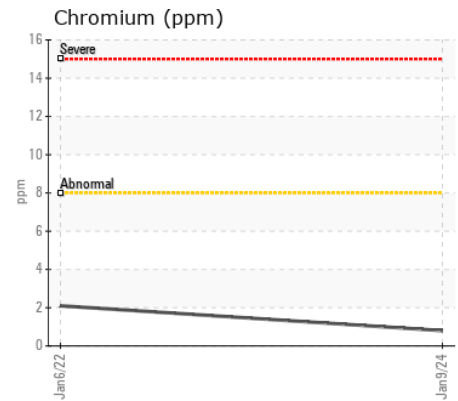
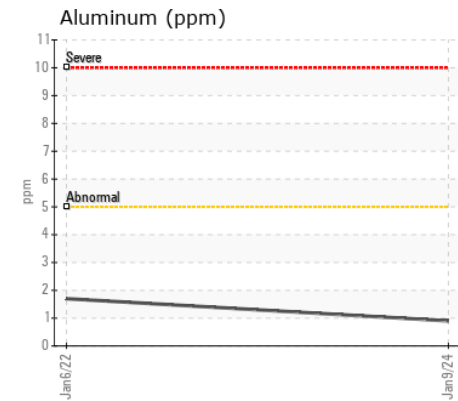
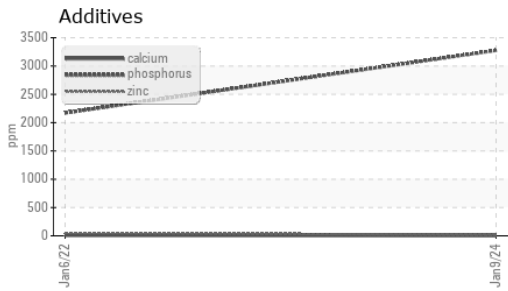
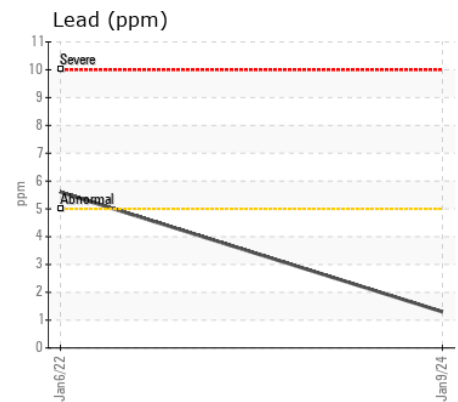
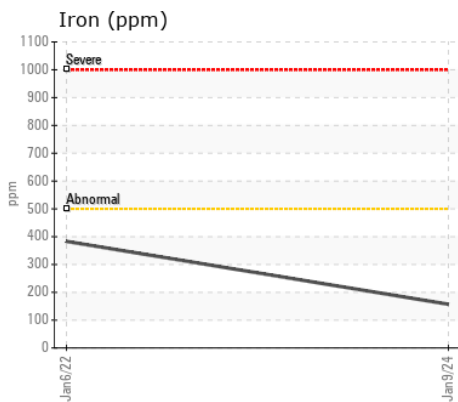
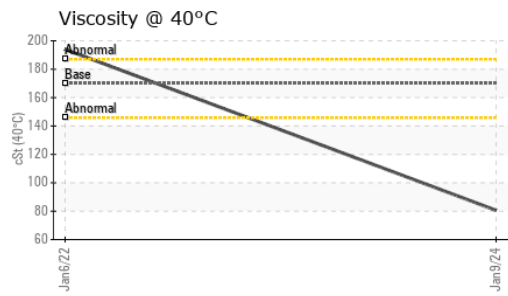
CONTAMINATION

Il n'y a aucun indice de contamination dans l'huile.

FLUID CONDITION

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. La viscosité de l'échantillon se situe dans la portée de l'SAE 80; nous vous conseillons de vérifier. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0202346	LH0202307	---
Sample Date		Client Info		09 Jan 2024	06 Jan 2022	---
Machine Age	hrs	Client Info		3646	1097	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	None	---
Sample Status				SEVERE	NORMAL	---
Iron	ppm	ASTM D5185(m)	>500	157	383	---
Chromium	ppm	ASTM D5185(m)	>8	<1	2	---
Nickel	ppm	ASTM D5185(m)	>5	1	4	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>5	<1	2	---
Lead	ppm	ASTM D5185(m)	>5	1	6	---
Copper	ppm	ASTM D5185(m)	>50	41	150	---
Tin	ppm	ASTM D5185(m)		3	9	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	VLITE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	VLITE	---
Silicon	ppm	ASTM D5185(m)	>25	8	18	---
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	---
Sodium	ppm	ASTM D5185(m)		5	6	---
Boron	ppm	ASTM D5185(m)	0	69	3	---
Barium	ppm	ASTM D5185(m)	0	<1	0	---
Molybdenum	ppm	ASTM D5185(m)	0	0	<1	---
Manganese	ppm	ASTM D5185(m)	0	6	30	---
Magnesium	ppm	ASTM D5185(m)	<1	<1	4	---
Calcium	ppm	ASTM D5185(m)	<1	4	9	---
Phosphorus	ppm	ASTM D5185(m)	2143	3276	2171	---
Zinc	ppm	ASTM D5185(m)	<1	16	49	---
Sulfur	ppm	ASTM D5185(m)	23468	21828	26225	---
Visc @ 40°C	cSt	ASTM D7279(m)	170	80.6	194	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0202346 **Received** : 10 Jan 2024
Lab Number : 02607971 **Diagnosed** : 11 Jan 2024
Unique Number : 5709057 **Diagnostician** : Kevin Marson
Test Package : MOBCE (Additional Tests: Visual)

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 SAINT-HYACINTHE, QC
 CA J2S 8V9
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 T:
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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.