



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



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

RECOMMENDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0202340	LH0202314	LH0202301
Sample Date		Client Info		09 Jan 2024	12 May 2023	06 Jan 2022
Machine Age	hrs	Client Info		3646	2312	1097
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	None
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Les taux d'usure de tous les composants sont normaux.

Iron	ppm	ASTM D5185(m)	>1200	81	151	570
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	4
Nickel	ppm	ASTM D5185(m)	>4	<1	1	6
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>5	<1	<1	3
Lead	ppm	ASTM D5185(m)	>4	1	2	8
Copper	ppm	ASTM D5185(m)	>40	34	98	209
Tin	ppm	ASTM D5185(m)	>4	2	3	15
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	LIGHT	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

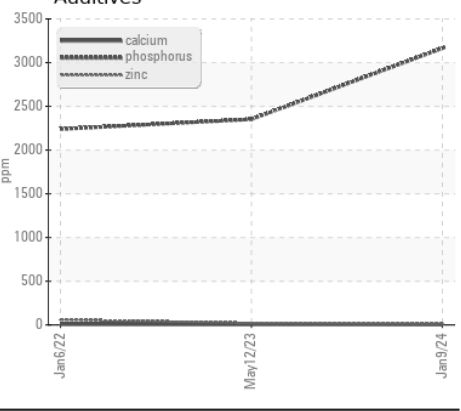
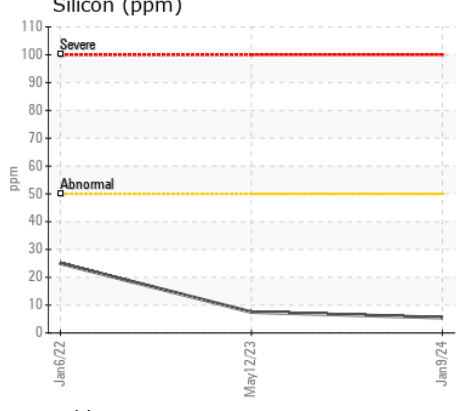
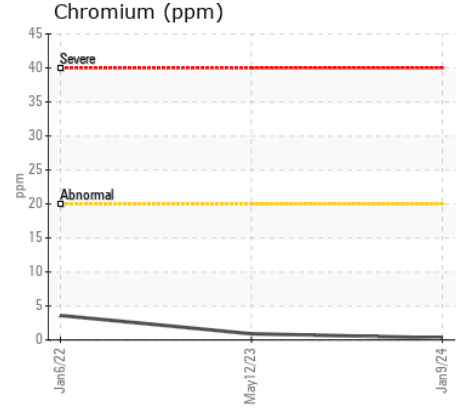
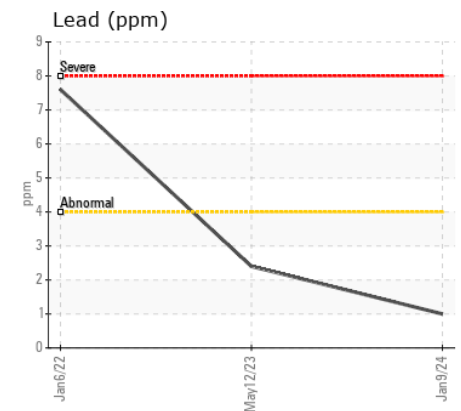
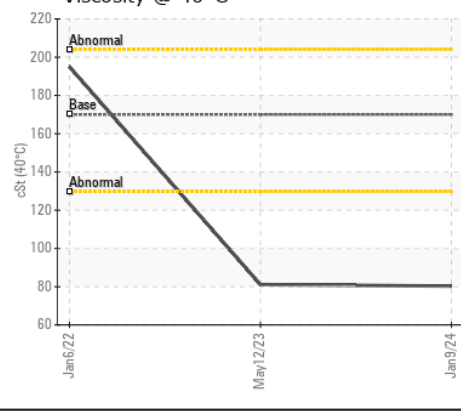
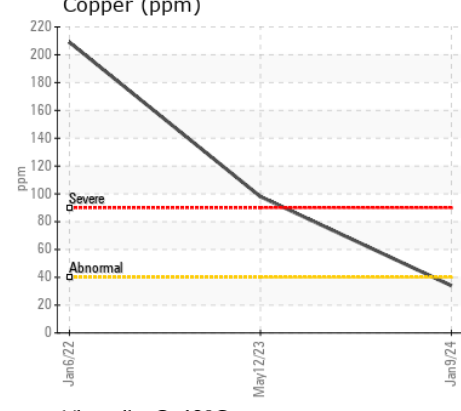
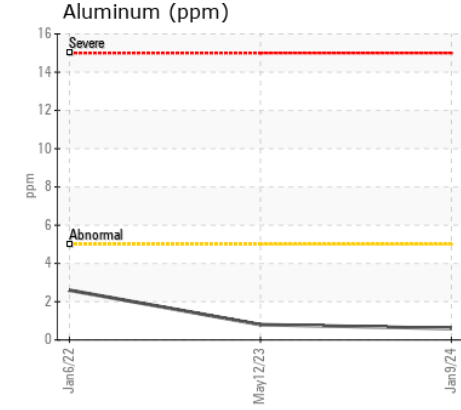
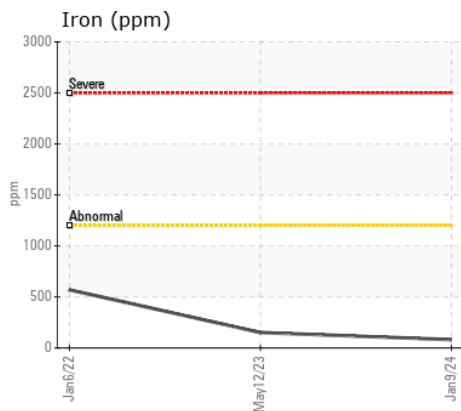
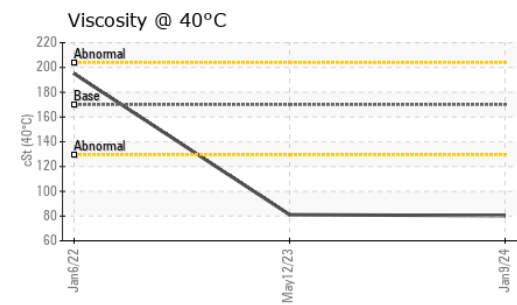
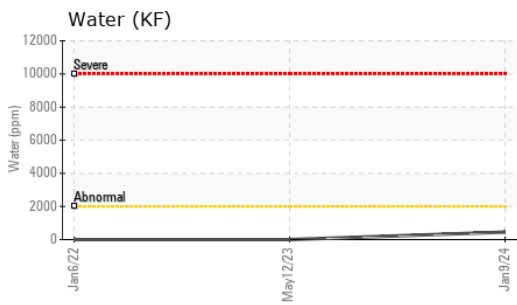
La teneur en eau est négligeable. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>50	6	8	25
Potassium	ppm	ASTM D5185(m)	>20	2	<1	<1
Water	%	ASTM D6304*	>.2	0.045	---	---
ppm Water	ppm	ASTM D6304*	>2000	453	---	---
Silt	scalar	Visual*	NONE	NONE	NONE	VLITE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	MILKY	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>.2	NEG	NEG	NEG

FLUID CONDITION

La viscosité de l'échantillon se situe dans la portée de l'SAE 80; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		6	2	8
Boron	ppm	ASTM D5185(m)	0	67	68	3
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)	0	3	9	43
Magnesium	ppm	ASTM D5185(m)	<1	<1	<1	4
Calcium	ppm	ASTM D5185(m)	<1	3	8	10
Phosphorus	ppm	ASTM D5185(m)	2143	3166	2352	2240
Zinc	ppm	ASTM D5185(m)	<1	13	21	60
Sulfur	ppm	ASTM D5185(m)	23468	21560	23152	26234
Visc @ 40°C	cSt	ASTM D7279(m)	170	80.3	81.1	195



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0202340 **Received** : 10 Jan 2024
Lab Number : 02607969 **Diagnosed** : 11 Jan 2024
Unique Number : 5709055 **Diagnostician** : Kevin Marson
Test Package : MOBCE (Additional Tests: KF, Visual)

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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.