



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
(350505)
Machine Id
LIEBHERR L566 063481-1758
Component
Transmission (Manual)
Fluid
LIEBHERR GEAR MF 80W (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Le fluide était spécifié comme LIEBHERR GEAR MF 80W, toutefois, une comparaison avec d'autres fluides indiqu que ce fluide est du SAE 70W80 Tractor TDH Fluid. Veuillez confirmer la viscosité de l'huile et veuillez préciser la marque de votre prochain échantillon.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0202345	LH0202319	LH0202306
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	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>200	17	21	44
Chromium	ppm	ASTM D5185(m)	>5	0	0	<1
Nickel	ppm	ASTM D5185(m)	>5	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>7	<1	<1	<1
Aluminum	ppm	ASTM D5185(m)	>25	2	2	2
Lead	ppm	ASTM D5185(m)	>45	<1	0	<1
Copper	ppm	ASTM D5185(m)	>225	2	2	3
Tin	ppm	ASTM D5185(m)	>10	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

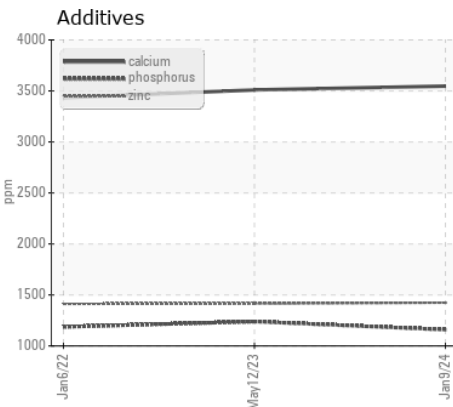
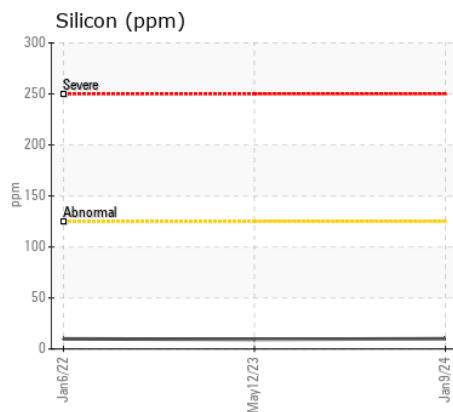
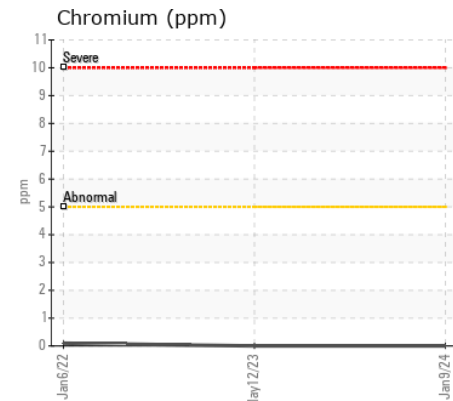
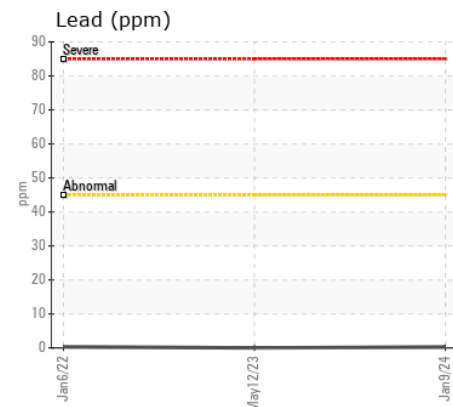
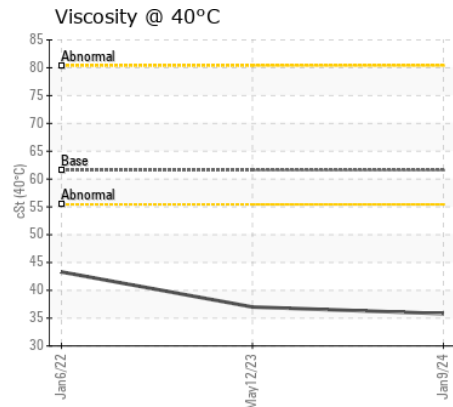
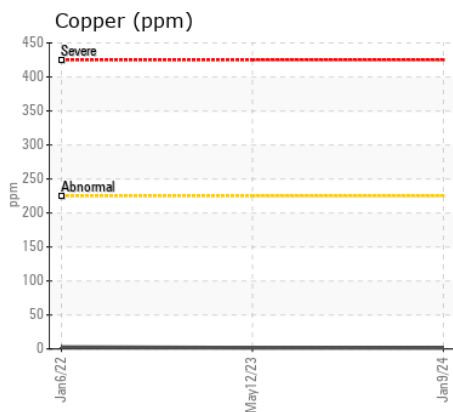
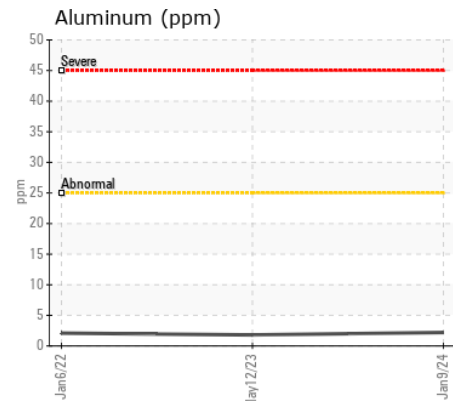
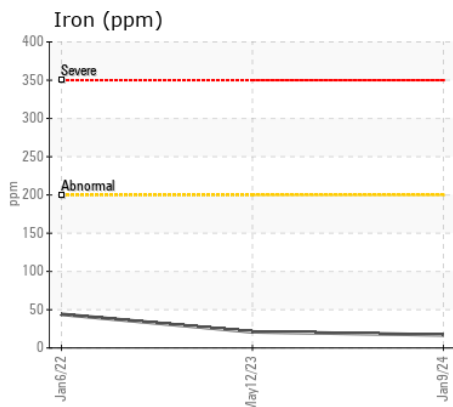
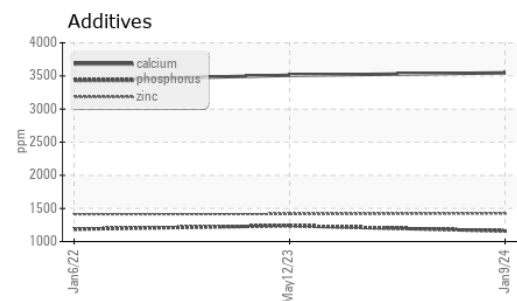
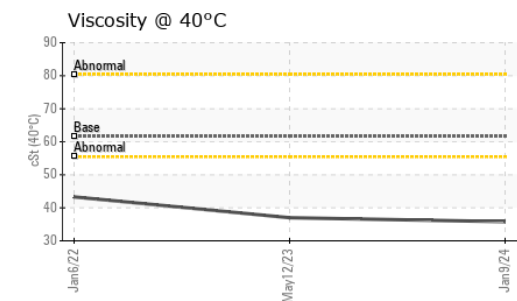
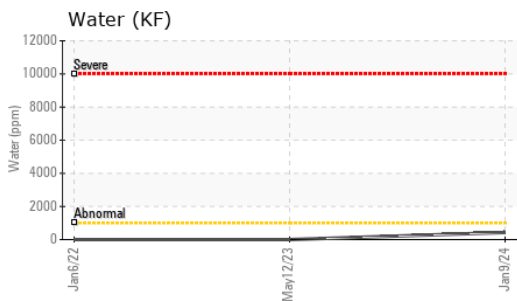
La teneur en eau est négligeable.

Silicon	ppm	ASTM D5185(m)	>125	10	9	10
Potassium	ppm	ASTM D5185(m)	>20	2	1	3
Water	%	ASTM D6304*	>0.1	0.042	---	---
ppm Water	ppm	ASTM D6304*	>1000	428	---	---
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
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*	>0.1	NEG	NEG	NEG

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 70W80; nous vous conseillons de vérifier.

Sodium	ppm	ASTM D5185(m)		8	10	18
Boron	ppm	ASTM D5185(m)		99	101	102
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		12	11	11
Calcium	ppm	ASTM D5185(m)		3547	3510	3434
Phosphorus	ppm	ASTM D5185(m)		1159	1239	1187
Zinc	ppm	ASTM D5185(m)		1424	1415	1412
Sulfur	ppm	ASTM D5185(m)		3190	3640	5267
Visc @ 40°C	cSt	ASTM D7279(m)	61.6	35.8	37.0	43.3



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0202345 **Received** : 10 Jan 2024
Lab Number : 02607890 **Diagnosed** : 11 Jan 2024
Unique Number : 5708976 **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.