



# LIEBHERR

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**LIEBHERR L586 048529-1334**  
Component  
**Rear 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		<b>LH0163403</b>	LH0227151	LH0202380
Sample Date		Client Info		<b>19 Dec 2023</b>	10 Mar 2022	05 Oct 2021
Machine Age	hrs	Client Info		<b>3763</b>	0	3567
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>None</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

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

Iron	ppm	ASTM D5185(m)	>1500	<b>52</b>	113	47
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	<1
Lead	ppm	ASTM D5185(m)	>5	<b>1</b>	3	2
Copper	ppm	ASTM D5185(m)	>200	<b>40</b>	70	59
Tin	ppm	ASTM D5185(m)	>10	<b>2</b>	5	2
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	VLITE	NONE

### CONTAMINATION

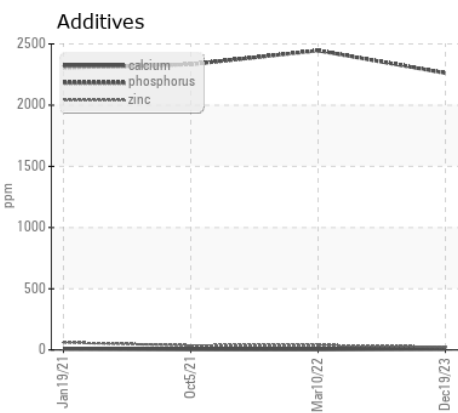
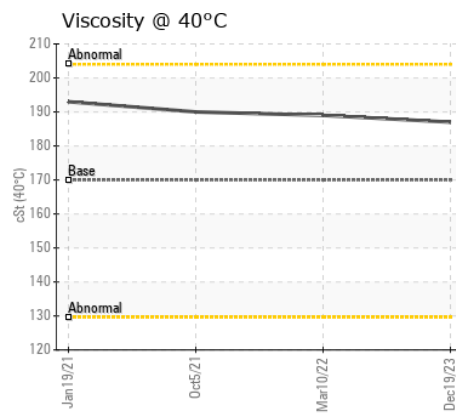
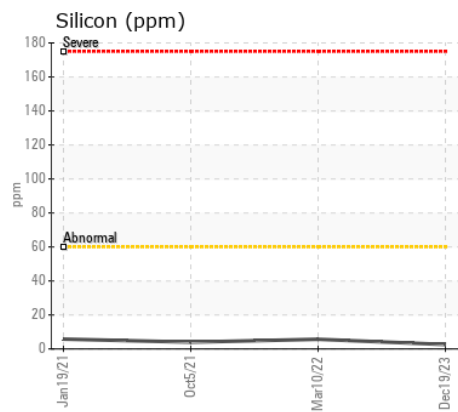
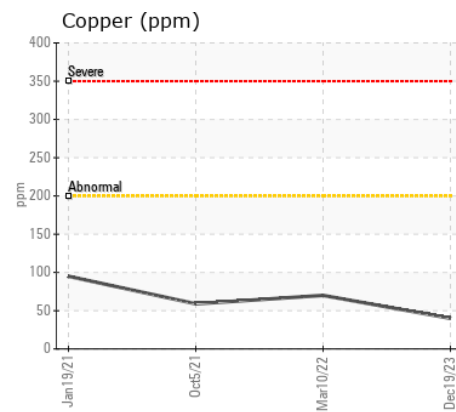
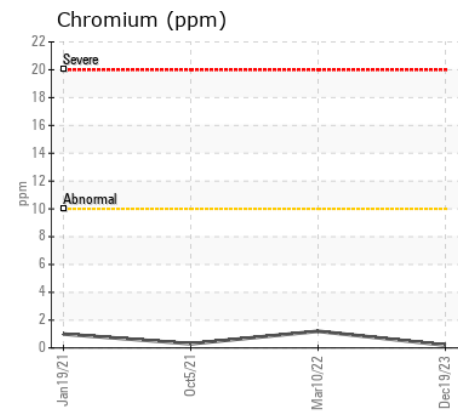
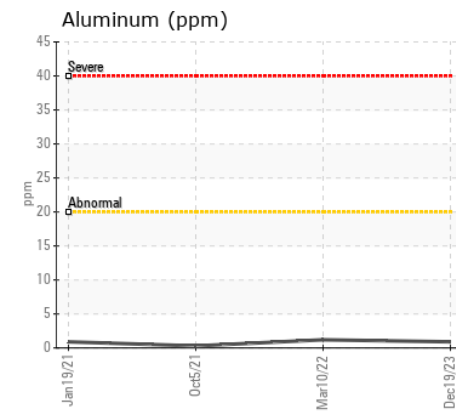
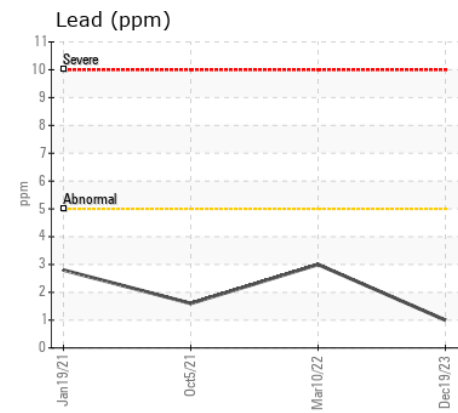
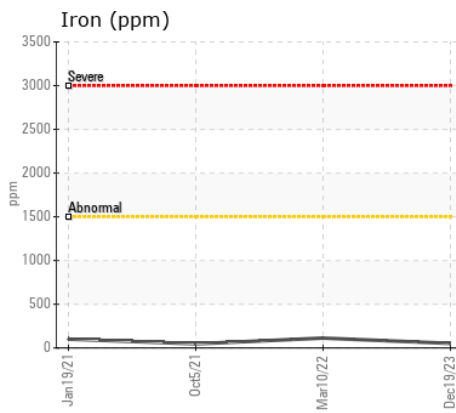
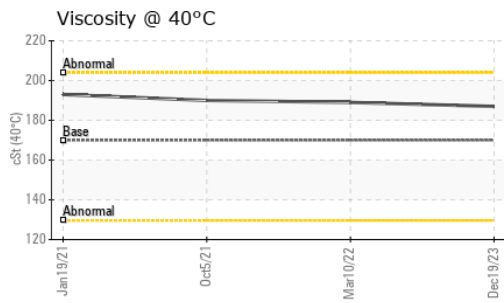
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>60	<b>3</b>	6	4
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		<b>2</b>	5	3
Boron	ppm	ASTM D5185(m)	0	<b>2</b>	1	3
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185(m)	0	<b>1</b>	10	4
Magnesium	ppm	ASTM D5185(m)	<1	<b>3</b>	<1	<1
Calcium	ppm	ASTM D5185(m)	<1	<b>8</b>	4	5
Phosphorus	ppm	ASTM D5185(m)	2143	<b>2262</b>	2446	2333
Zinc	ppm	ASTM D5185(m)	<1	<b>23</b>	39	36
Sulfur	ppm	ASTM D5185(m)	23468	<b>25613</b>	24636	25478
Visc @ 40°C	cSt	ASTM D7279(m)	170	<b>187</b>	189	190



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0163403 **Received** : 12 Jan 2024  
**Lab Number** : 02608610 **Diagnosed** : 12 Jan 2024  
**Unique Number** : 5709696 **Diagnostician** : Wes Davis  
**Test Package** : MOBCE ( Additional Tests: Visual )

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.

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