



# LIEBHERR

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area  
**(345481)**  
Machine Id  
**128862-1216**  
Component  
**Splitter Box**  
Fluid  
**LIEBHERR GEAR BASIC 90 LS (--- GAL)**

### RECOMMENDATION

Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage.  
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		LH0282639	LH0284348	LH
Sample Date		Client Info		23 Apr 2024	06 Feb 2024	20 Oct 2023
Machine Age	hrs	Client Info		5485	5027	2460
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

### WEAR

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

Iron	ppm	ASTM D5185(m)	>80	23	47	31
Chromium	ppm	ASTM D5185(m)	>2	0	<1	0
Nickel	ppm	ASTM D5185(m)	>2	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>5	0	<1	<1
Lead	ppm	ASTM D5185(m)	>2	0	0	0
Copper	ppm	ASTM D5185(m)	>10	<1	1	2
Tin	ppm	ASTM D5185(m)	>2	0	0	0
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

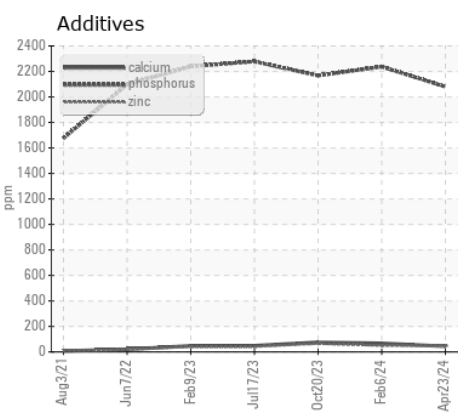
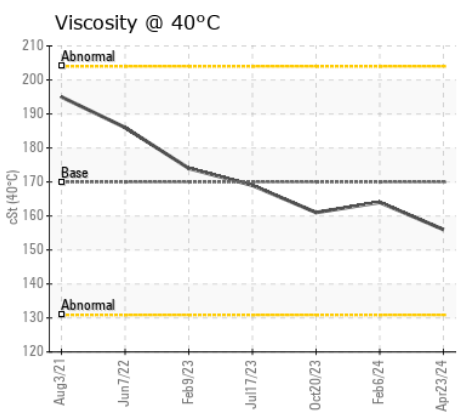
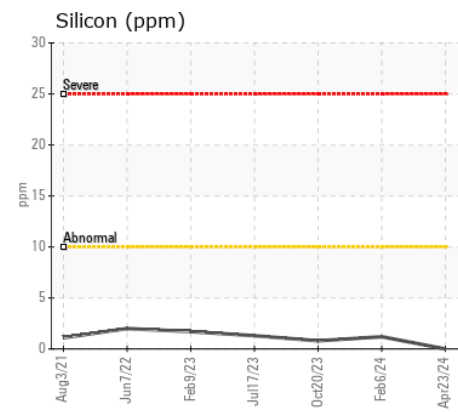
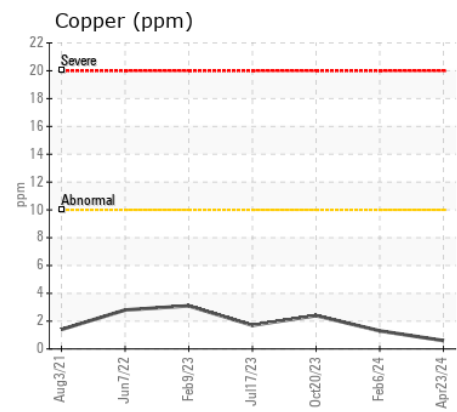
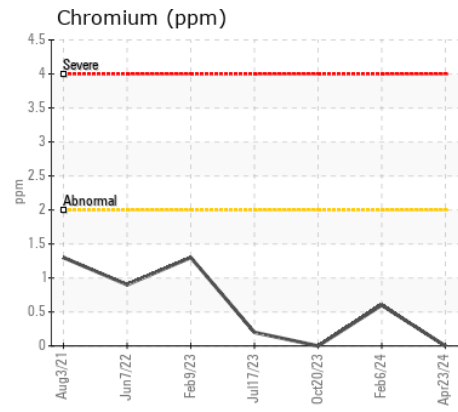
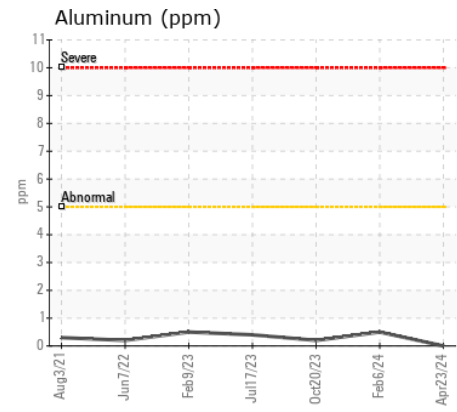
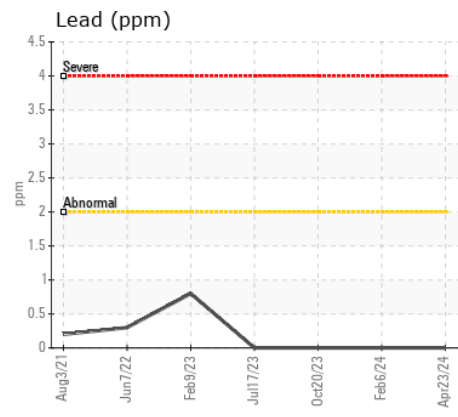
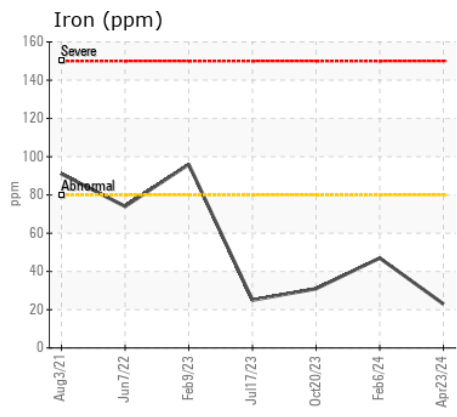
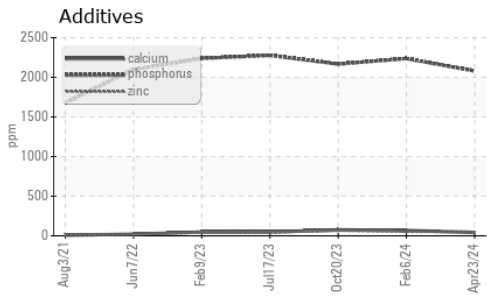
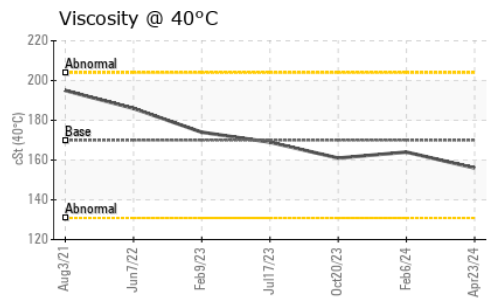
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>10	0	1	<1
Potassium	ppm	ASTM D5185(m)	>20	0	<1	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	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. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)	>25	<1	<1	2
Boron	ppm	ASTM D5185(m)	0	40	<1	3
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)	0	0	0	<1
Magnesium	ppm	ASTM D5185(m)	<1	<1	2	4
Calcium	ppm	ASTM D5185(m)	<1	44	68	76
Phosphorus	ppm	ASTM D5185(m)	2143	2080	2237	2167
Zinc	ppm	ASTM D5185(m)	<1	47	50	65
Sulfur	ppm	ASTM D5185(m)	23468	22015	23933	24313
Visc @ 40°C	cSt	ASTM D7279(m)	170	156	164	161



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0282639  
**Lab Number** : 02631370  
**Unique Number** : 5772523  
**Test Package** : MOB 1  
**Received** : 25 Apr 2024  
**Tested** : 25 Apr 2024  
**Diagnosed** : 25 Apr 2024 - Wes Davis

**American Iron and Metal**  
 10171 AVE PELLETIER  
 MONTREAL-NORD, QC  
 CA H1H 3R2  
 Contact: Allen Singerman

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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F: