



LIEBHERR

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR L550 070714-1825
Component
Front Differential
Fluid
LIEBHERR SYNTOGEAR PLUS 75W-90 (--- GAL)

RECOMMENDATION

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0248549	---	---
Sample Date		Client Info		05 Dec 2023	---	---
Machine Age	hrs	Client Info		1384	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		None	---	---
Sample Status				ABNORMAL	---	---

WEAR

Usure de rondelle de butée et (ou) de palier et (ou) de douille.

Iron	ppm	ASTM D5185(m)	>1250	171	---	---
Chromium	ppm	ASTM D5185(m)	>6	<1	---	---
Nickel	ppm	ASTM D5185(m)	>4	2	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>35	2	---	---
Lead	ppm	ASTM D5185(m)	>4	4	---	---
Copper	ppm	ASTM D5185(m)	>30	▲ 134	---	---
Tin	ppm	ASTM D5185(m)	>4	▲ 5	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

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

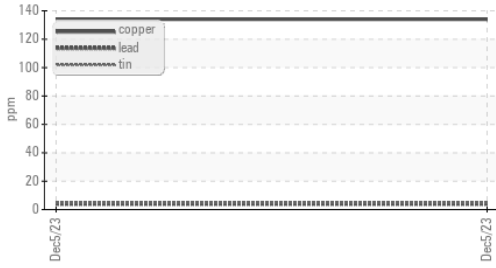
Silicon	ppm	ASTM D5185(m)	>100	17	---	---
Potassium	ppm	ASTM D5185(m)	>20	2	---	---
Water		WC Method	>.2	NEG	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>.2	NEG	---	---

FLUID CONDITION

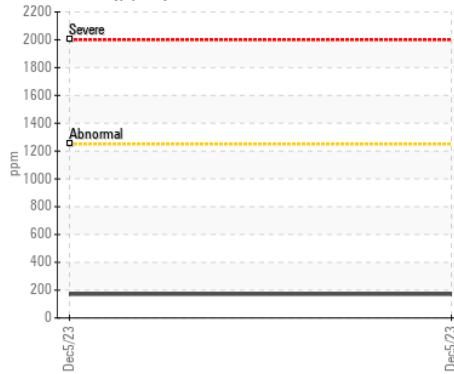
Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Sodium	ppm	ASTM D5185(m)		9	---	---
Boron	ppm	ASTM D5185(m)	513	2	---	---
Barium	ppm	ASTM D5185(m)	0	<1	---	---
Molybdenum	ppm	ASTM D5185(m)	0	0	---	---
Manganese	ppm	ASTM D5185(m)	<1	25	---	---
Magnesium	ppm	ASTM D5185(m)	939	2	---	---
Calcium	ppm	ASTM D5185(m)	12	8	---	---
Phosphorus	ppm	ASTM D5185(m)	1573	2189	---	---
Zinc	ppm	ASTM D5185(m)	2	45	---	---
Sulfur	ppm	ASTM D5185(m)	20602	25131	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	106	190	---	---

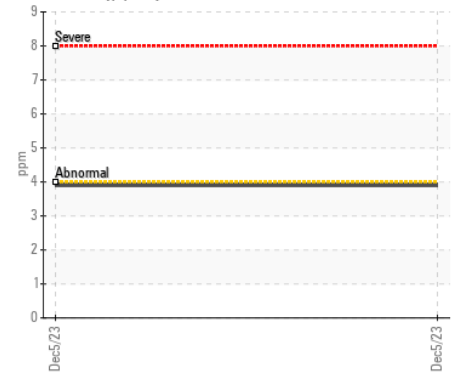
▲ Non-ferrous Metals



Iron (ppm)



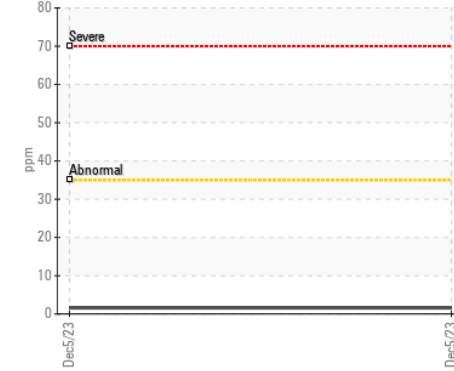
Lead (ppm)



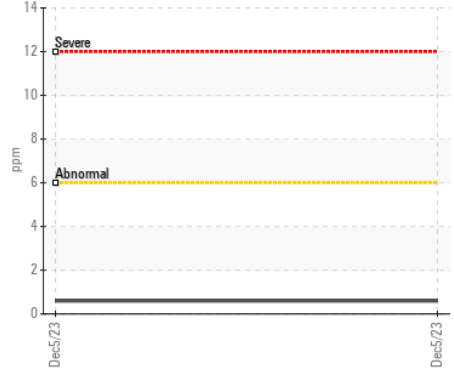
Viscosity @ 40°C



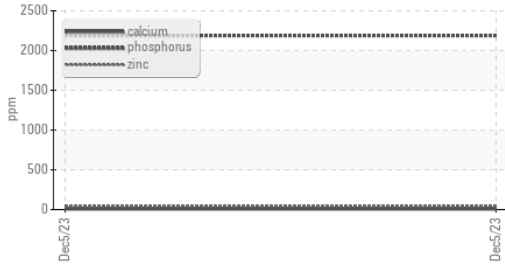
Aluminum (ppm)



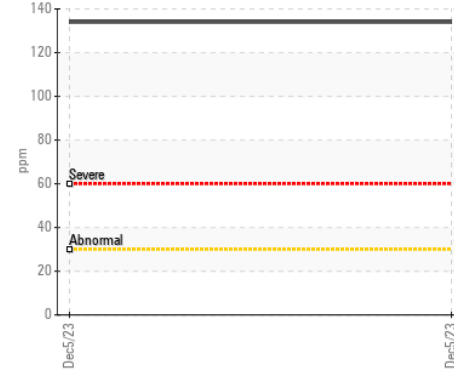
Chromium (ppm)



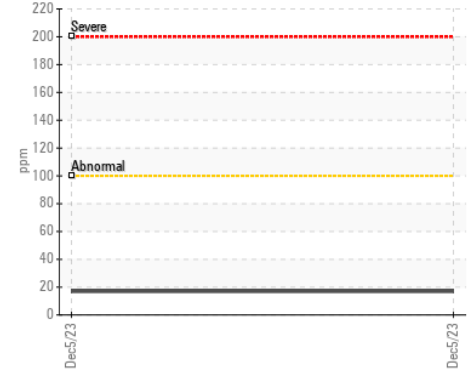
Additives



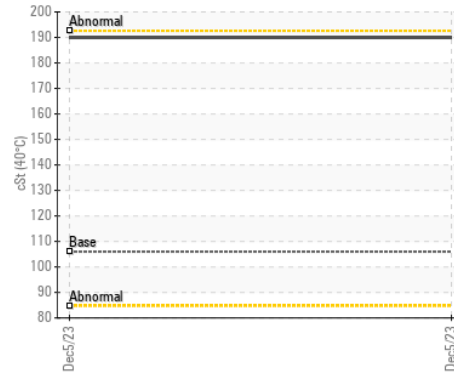
▲ Copper (ppm)



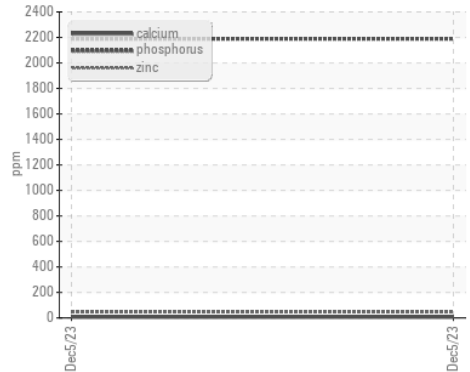
Silicon (ppm)



Viscosity @ 40°C



Additives



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0248549 **Received** : 10 Jan 2024
Lab Number : 02607903 **Diagnosed** : 11 Jan 2024
Unique Number : 5708989 **Diagnostician** : Kevin Marson
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.

PAVAGES MASKA INC.
 3450 BOULEVARD CHOQUETTE
 SAINT-HYACINTHE, QC
 CA J2S 8V9
 Contact: Guillaume St-Onge
 gstonge@pavagemaska.qc.ca
 T:
 F: