



LIEBHERR

RAPPORT D'ANALYSE D'HUILE

USURE

ANORMAL

CONTAMINATION

NORMAL

ÉTAT DU FLUIDE

NORMAL



Secteur

(365671)

Identité de la machine

LIEBHERR R936 051134-1828

Composant

Boîte de séparation

Fluid

LIEBHERR GEAR BASIC 90 LS (2 LTR)

RECOMMANDATION

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		LH0284134	LH0235127	---
Date d'échant.		Client Info		14 Mar 2024	09 Dec 2022	---
Âge de la Machine	hrs	Client Info		3381	2151	---
Âge de l'huile	hrs	Client Info		0	0	---
Âge du filtre	hrs	Client Info		0	0	---
Huile changée		Client Info		Changed	Changed	---
Filtre changé		Client Info		N/A	N/A	---
Statut de l'échant.				ABNORMAL	NORMAL	---

USURE

Le bas indice ferreux (PQ) indique que l'usure ferreuse est due à de la corrosion.

Test	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184*	>80	7	---	---
Fer	ppm	ASTM D5185(m)	>100	▲ 886	86	---
Chrome	ppm	ASTM D5185(m)	>5	4	<1	---
Nickel	ppm	ASTM D5185(m)	>5	2	<1	---
Titane	ppm	ASTM D5185(m)		0	0	---
Argent	ppm	ASTM D5185(m)		0	0	---
Aluminium	ppm	ASTM D5185(m)	>20	13	2	---
Plomb	ppm	ASTM D5185(m)	>30	<1	0	---
Cuivre	ppm	ASTM D5185(m)	>20	2	4	---
Étain	ppm	ASTM D5185(m)	>10	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Métal blanc	scalar	Visual*	NONE	NONE	NONE	---
Bronze	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

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

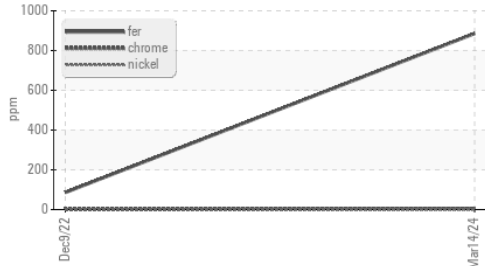
Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicium	ppm	ASTM D5185(m)	>30	10	2	---
Potassium	ppm	ASTM D5185(m)	>20	11	3	---
L'eau		WC Method	>0.1	NEG	NEG	---
Limon	scalar	Visual*	NONE	NONE	NONE	---
Débris	scalar	Visual*	NONE	NONE	NONE	---
Saleté	scalar	Visual*	NONE	NONE	NONE	---
Apparence	scalar	Visual*	NORML	NORML	NORML	---
Odeur	scalar	Visual*	NORML	NORML	NORML	---
Eau émulsifiée	scalar	Visual*	>0.1	NEG	NEG	---

ÉTAT DU FLUIDE

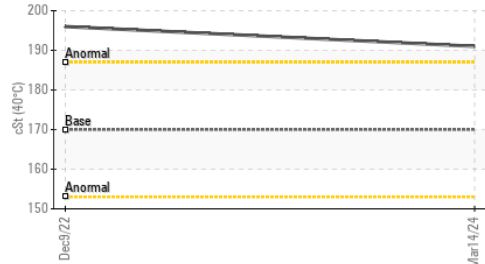
l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185(m)	>25	3	4	---
Bore	ppm	ASTM D5185(m)	0	1	0	---
Baryum	ppm	ASTM D5185(m)	0	0	<1	---
Molybdène	ppm	ASTM D5185(m)	0	0	0	---
Manganèse	ppm	ASTM D5185(m)	0	8	5	---
Magnésium	ppm	ASTM D5185(m)	<1	4	4	---
Calcium	ppm	ASTM D5185(m)	<1	15	5	---
Phosphore	ppm	ASTM D5185(m)	2143	1982	1751	---
Zinc	ppm	ASTM D5185(m)	<1	223	104	---
Soufre	ppm	ASTM D5185(m)	23468	22444	22075	---
Visc 40°C	cSt	ASTM D7279(m)	170	191	196	---

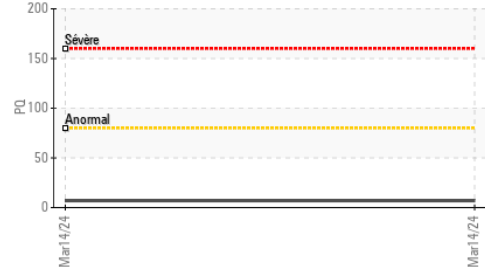
▲ Alliages ferreux



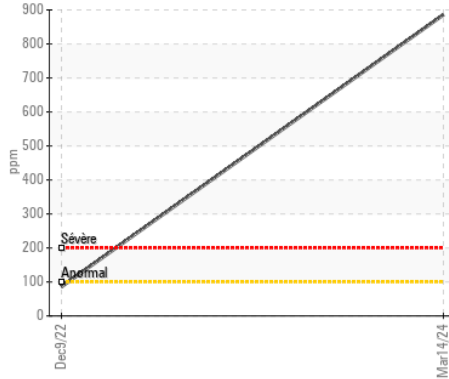
Viscosité 40°C



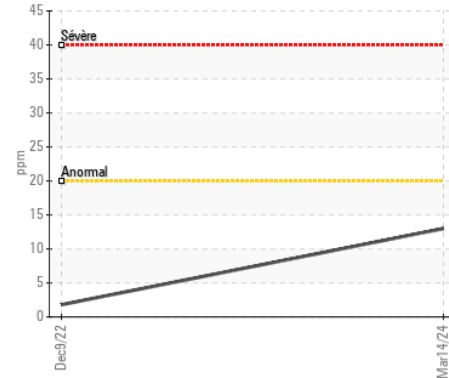
PQ



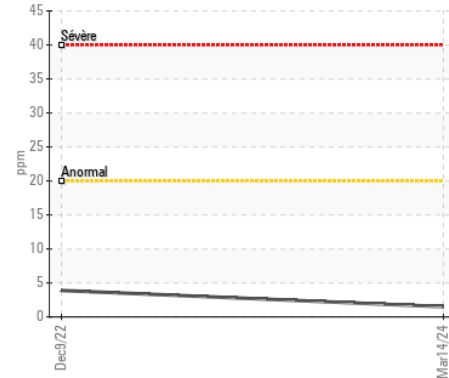
▲ Fer (ppm)



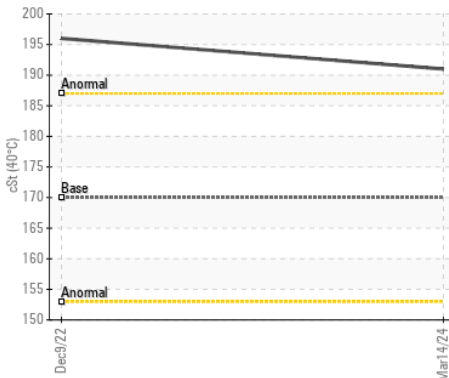
Aluminium (ppm)



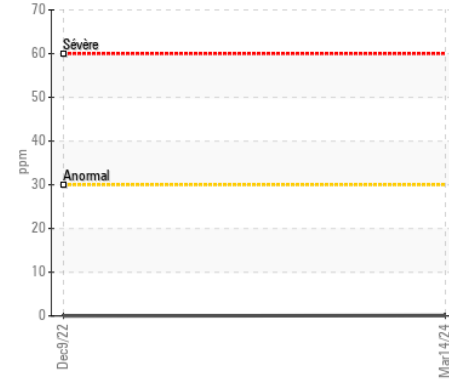
Cuivre (ppm)



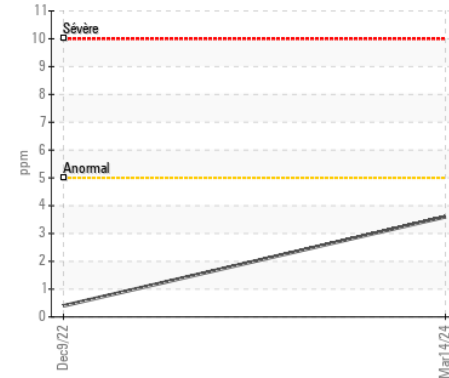
Viscosité 40°C



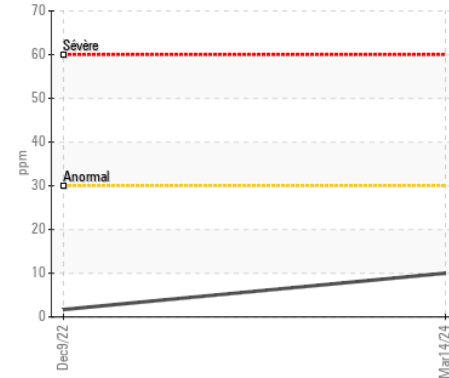
Plomb (ppm)



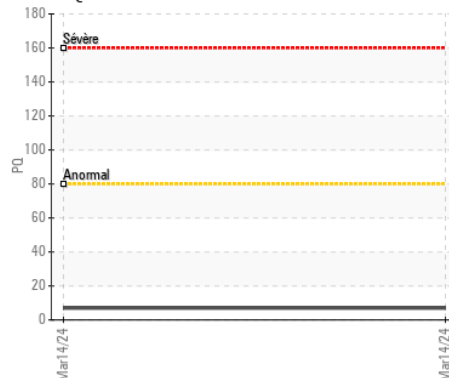
Chrome (ppm)



Silicium (ppm)



PQ



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

N° d'échantillon : LH0284134

N° de laboratoire : 02622446

Numéro unique : 5747565

Analyse : MOB 1 (Additional Tests: PQ)

Reçu : 15 Mar 2024

Tested : 15 Mar 2024

Diagnostiqué : 17 Mar 2024 - Kevin Marson

LOCATION EMA/EMA RENTALS LTD

145 RUE RICHER

LACHINE, QC

CA H8R 1R4

Contact: Service Manager

Pour discuter ce rapport, contacter le service à la clientèle au 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.

T:

F: