



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR LH30M 150670-1253
Component
Hydraulic System
Fluid
{not provided} (--- GAL)

RECOMMENDATION

Nous recommandons le remplacement des filtres de ce composant. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0271950	LH0271938	LH0271926
Sample Date		Client Info		22 Dec 2023	13 Oct 2023	01 Sep 2023
Machine Age	hrs	Client Info		1550	825	458
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	ABNORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>50	20	19	12
Chromium	ppm	ASTM D5185(m)	>5	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)	>2	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>4	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>10	2	3	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

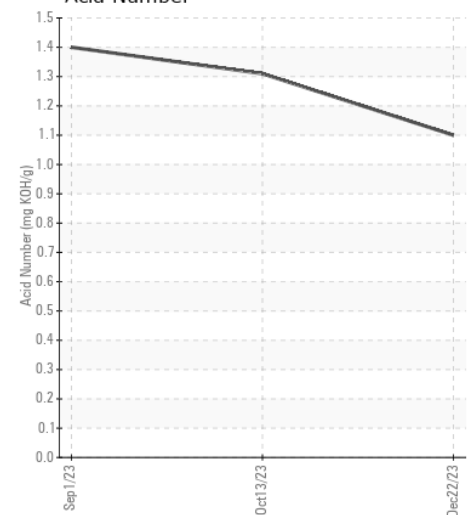
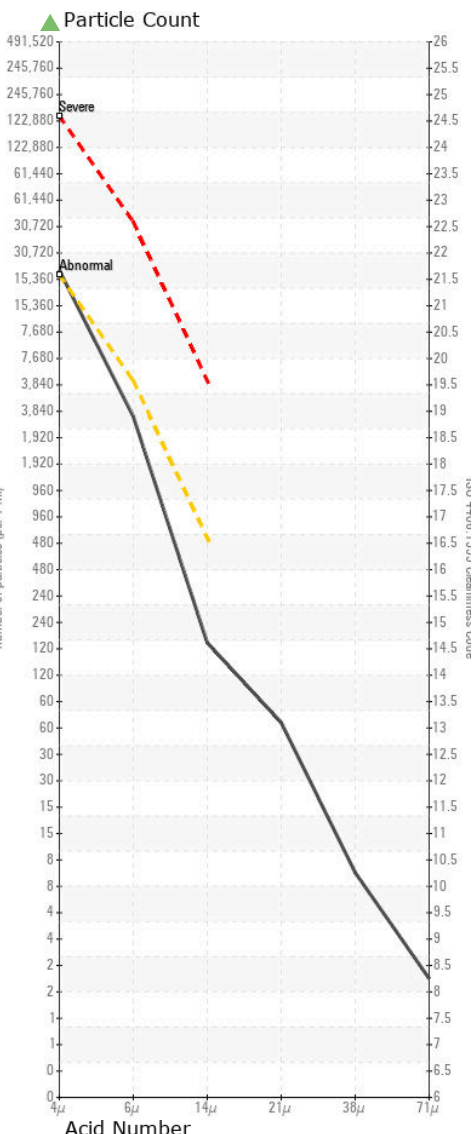
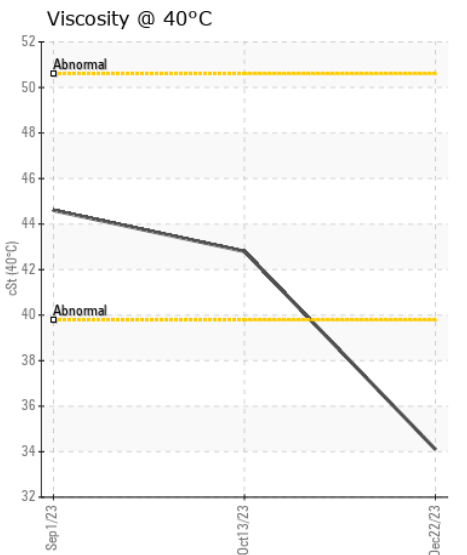
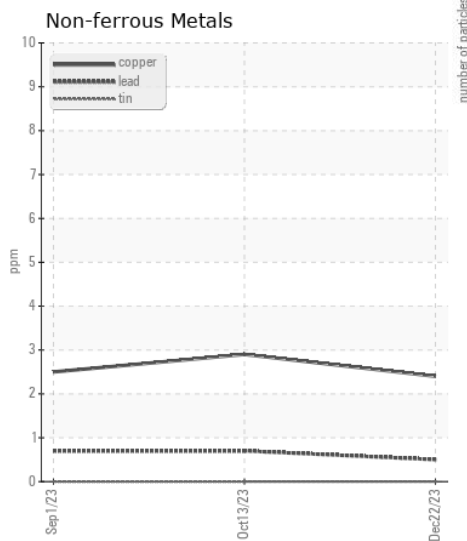
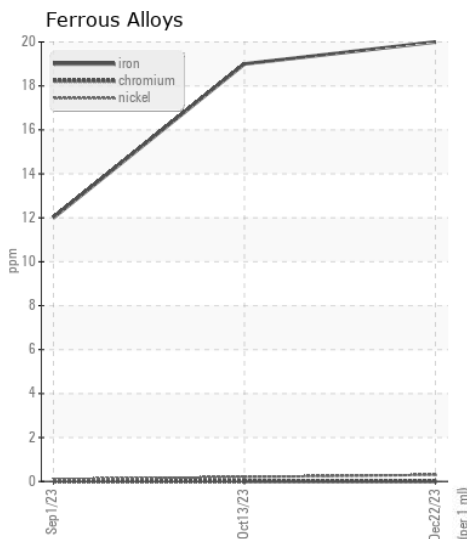
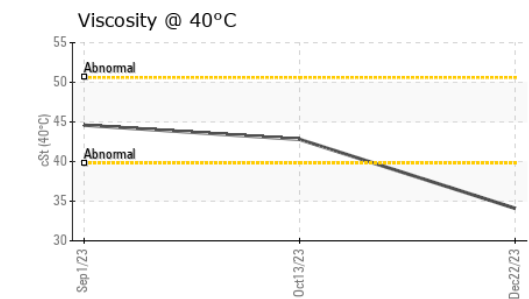
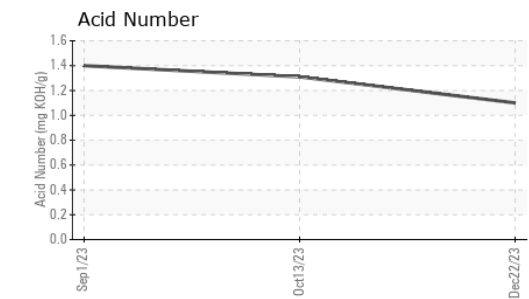
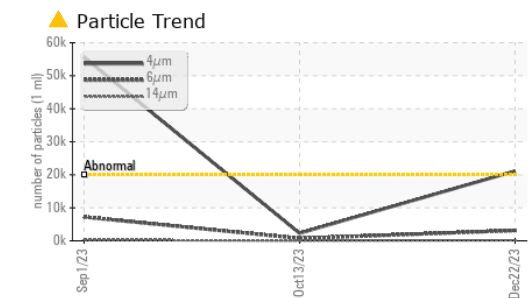
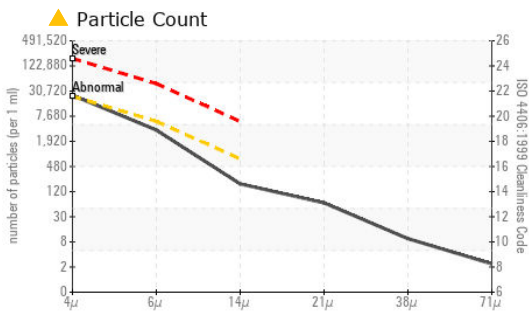
Il y a une légère quantité de limon (particules de 4 à 14 microns) dans l'huile.

Silicon	ppm	ASTM D5185(m)	>17	2	3	3
Potassium	ppm	ASTM D5185(m)	>20	3	1	1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>20000	▲ 21147	2292	▲ 55628
Particles >6µm		ASTM D7647	>5000	3129	737	▲ 7202
Particles >14µm		ASTM D7647	>640	162	61	257
Particles >21µm		ASTM D7647	>160	57	16	23
Particles >38µm		ASTM D7647	>40	8	2	1
Particles >71µm		ASTM D7647	>10	2	1	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	▲ 22/19/15	18/17/13	▲ 23/20/15
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	NORML	NORML	▲ LAYRD
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	▲ .5%

FLUID CONDITION

La viscosité de l'échantillon se situe dans la portée de l'SAE 10W; nous vous conseillons de vérifier. Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en prolonger l'utilisation.

Sodium	ppm	ASTM D5185(m)		4	2	2
Boron	ppm	ASTM D5185(m)		1	<1	3
Barium	ppm	ASTM D5185(m)		0	<1	0
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	<1
Magnesium	ppm	ASTM D5185(m)		3	4	4
Calcium	ppm	ASTM D5185(m)		800	1210	1227
Phosphorus	ppm	ASTM D5185(m)		473	581	686
Zinc	ppm	ASTM D5185(m)		527	664	711
Sulfur	ppm	ASTM D5185(m)		3867	3685	3789
Acid Number (AN)	mg KOH/g	ASTM D974*		1.10	1.31	1.40
Visc @ 40°C	cSt	ASTM D7279(m)		34.1	42.8	44.6



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **Gestion Transfor - Transport La Dore**
Sample No. : LH0271950 **Received** : 18 Jan 2024 5750 Rue des Peupliers
Lab Number : 02609767 **Diagnosed** : 22 Jan 2024 La Dore, QC
Unique Number : 5710853 **Diagnostician** : Kevin Marson CA G8J 1G4
Test Package : MOBCE (Additional Tests: TAN Man) Contact: Eric Fortin

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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