



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR LH30M 145951-1253

Component
Hydraulic System

Fluid
PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL (--- 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		LH0279112	---	---
Sample Date		Client Info		18 Jan 2024	---	---
Machine Age	hrs	Client Info		248	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Iron	ppm	ASTM D5185(m)	>50	6	---	---
Chromium	ppm	ASTM D5185(m)	>5	0	---	---
Nickel	ppm	ASTM D5185(m)	>2	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		<1	---	---
Aluminum	ppm	ASTM D5185(m)	>2	1	---	---
Lead	ppm	ASTM D5185(m)	>4	4	---	---
Copper	ppm	ASTM D5185(m)	>10	80	---	---
Tin	ppm	ASTM D5185(m)	>2	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

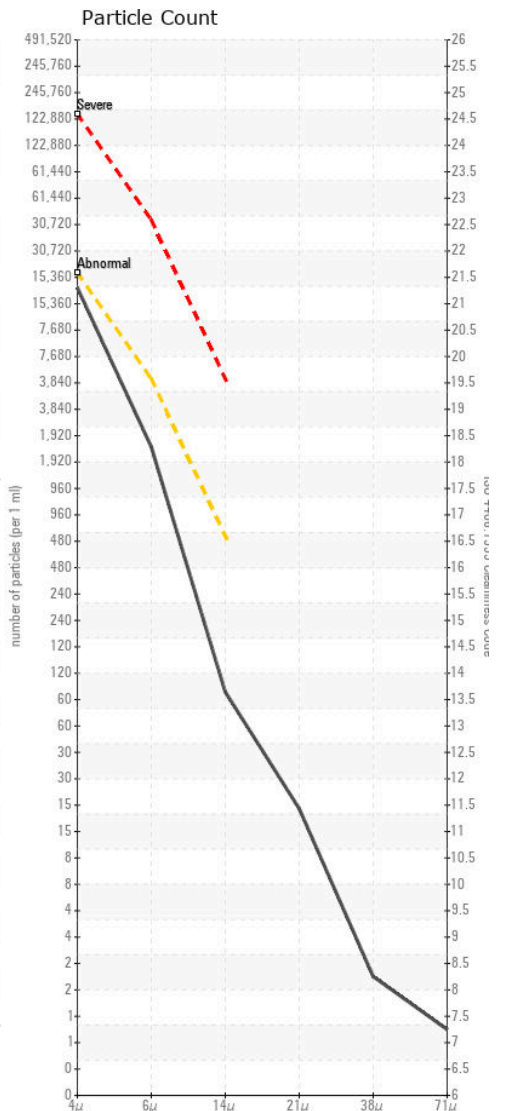
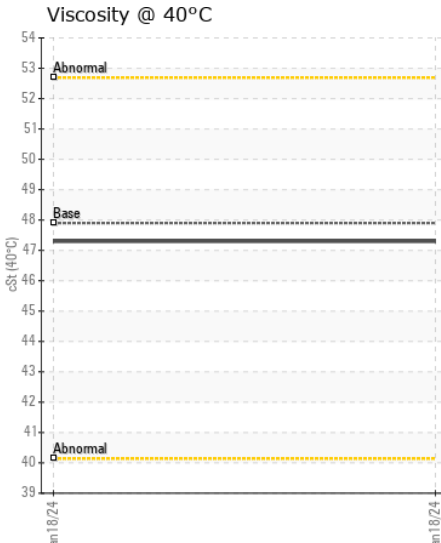
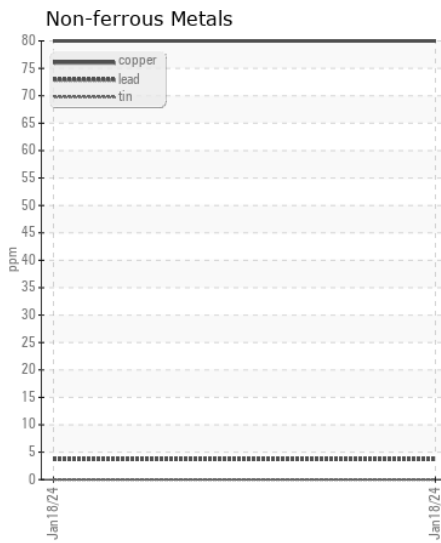
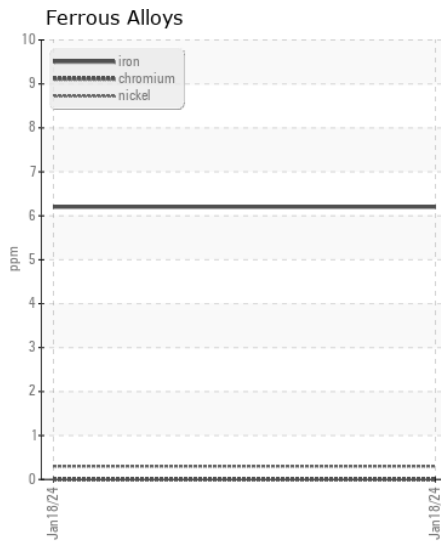
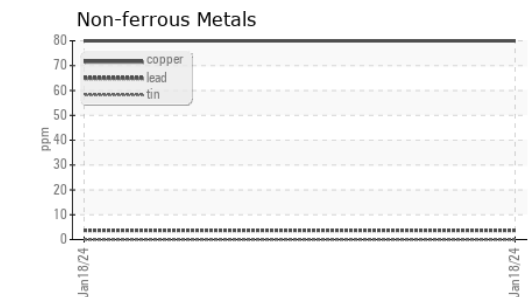
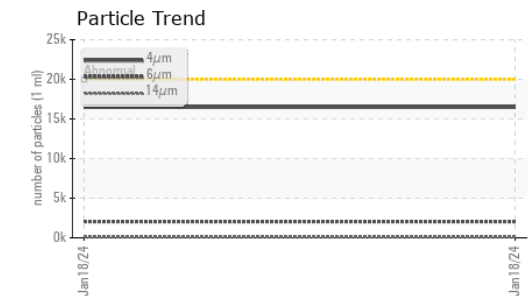
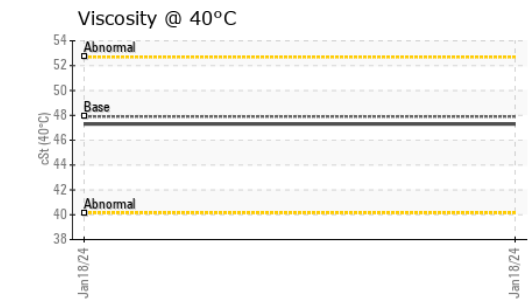
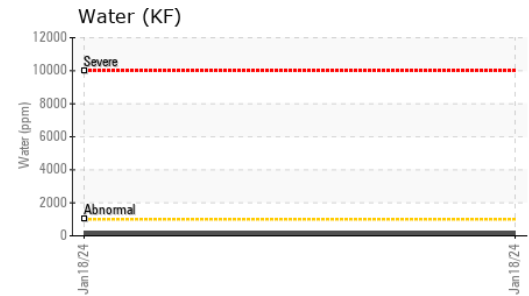
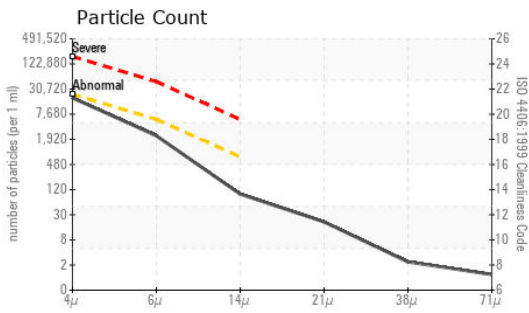
La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La teneur en eau est négligeable. La propreté du système et du fluide est acceptable.

Silicon	ppm	ASTM D5185(m)	>17	3	---	---
Potassium	ppm	ASTM D5185(m)	>20	8	---	---
Water	%	ASTM D6304*	>0.1	0.014	---	---
ppm Water	ppm	ASTM D6304*	>1000	142	---	---
Particles >4µm		ASTM D7647	>20000	16480	---	---
Particles >6µm		ASTM D7647	>5000	2048	---	---
Particles >14µm		ASTM D7647	>640	83	---	---
Particles >21µm		ASTM D7647	>160	18	---	---
Particles >38µm		ASTM D7647	>40	2	---	---
Particles >71µm		ASTM D7647	>10	1	---	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	21/18/14	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	HAZY	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		1	---	---
Boron	ppm	ASTM D5185(m)	0	23	---	---
Barium	ppm	ASTM D5185(m)	0	<1	---	---
Molybdenum	ppm	ASTM D5185(m)	0	0	---	---
Manganese	ppm	ASTM D5185(m)	1	<1	---	---
Magnesium	ppm	ASTM D5185(m)	0	2	---	---
Calcium	ppm	ASTM D5185(m)	100	635	---	---
Phosphorus	ppm	ASTM D5185(m)	670	660	---	---
Zinc	ppm	ASTM D5185(m)	850	826	---	---
Sulfur	ppm	ASTM D5185(m)	1600	2674	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	47.9	47.3	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **Entreprise Forestiere Hubert & Latourelle Inc.**
Sample No. : LH0279112 **Received** : 19 Jan 2024 175 rue Alexandre
Lab Number : 02609984 **Diagnosed** : 23 Jan 2024 Thurso, QC
Unique Number : 5711070 **Diagnostician** : Kevin Marson CA J0X 3B0
Test Package : MOB 1 (Additional Tests: KF, PrtCount) Contact: Service Manager

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: