



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL



Machine Id
LIEBHERR LH30M 145951-1253

Component
Diesel Engine

Fluid
PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL (--- GAL)

RECOMMENDATION

Aucune mesure corrective n'est recommandée pour l'instant. Confirm the source of the lubricant being utilized for top-up/fill. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

WEAR

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

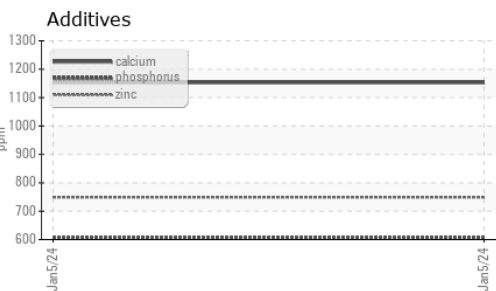
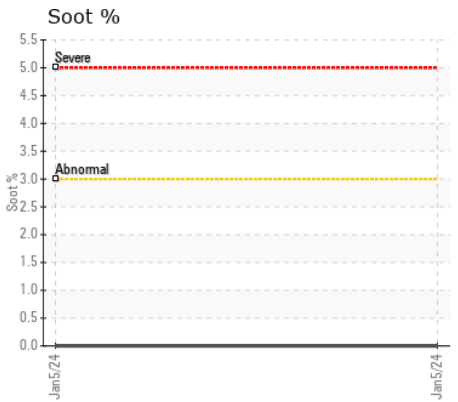
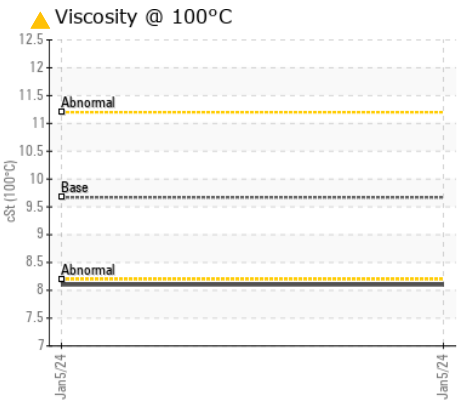
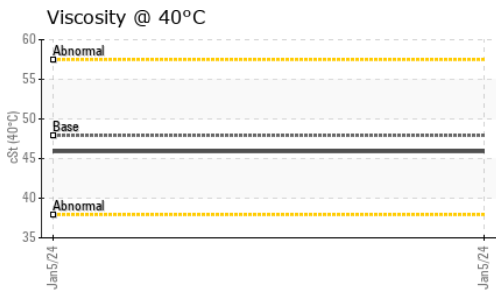
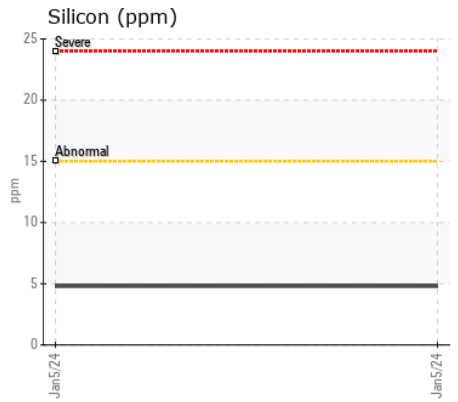
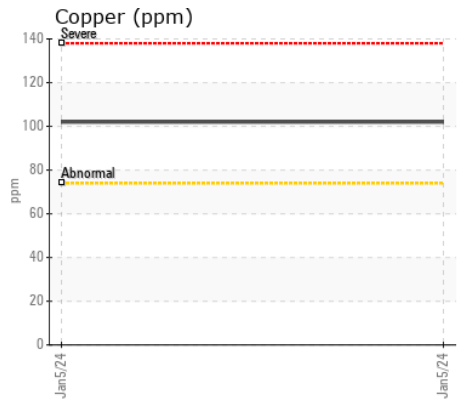
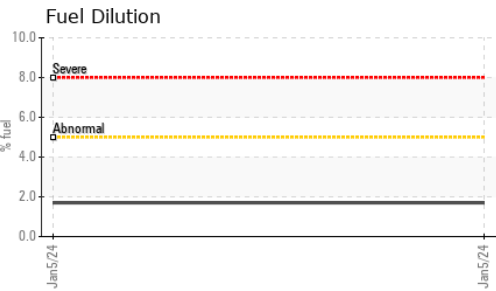
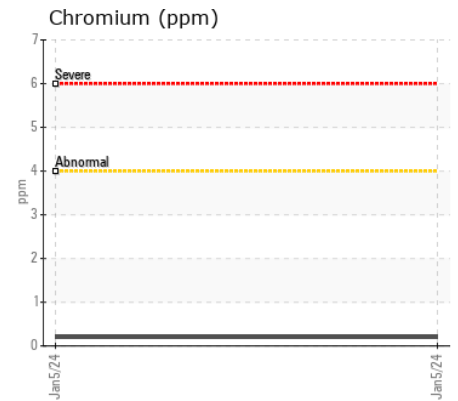
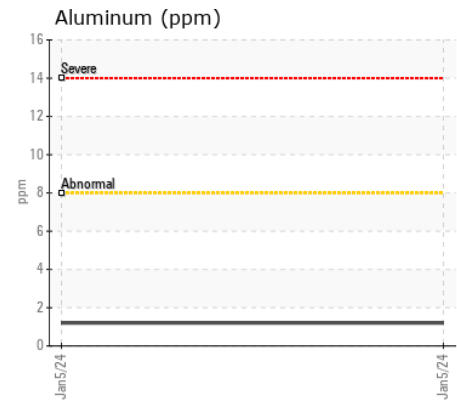
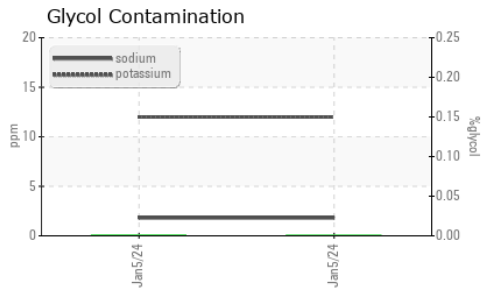
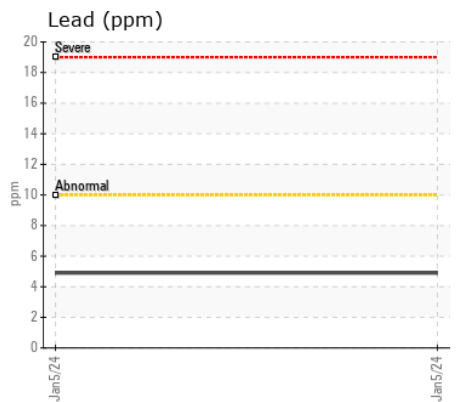
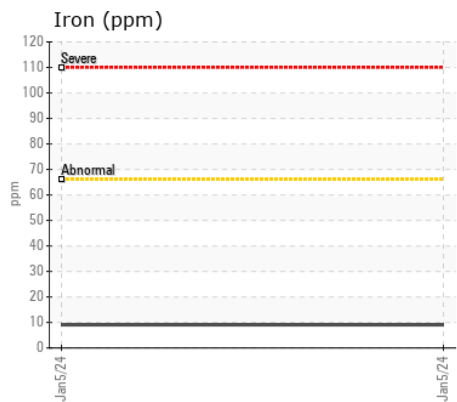
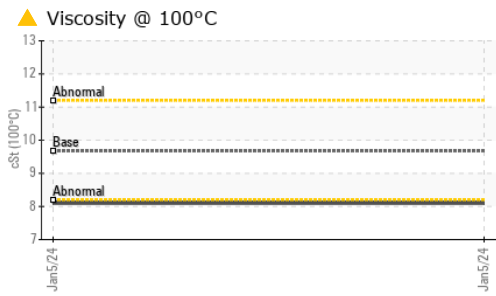
CONTAMINATION

Légère dilution de carburant dans l'huile. Aucun autre contaminant n'a été détecté dans l'huile.

FLUID CONDITION

La viscosité de l'échantillon se situe dans la portée de l'SAE 5W20; nous vous conseillons de vérifier. Ceci, en plus des niveaux d'additifs, indique que la marque ou le type d'huile ne correspond pas à ce qui a été signalé. L'état de l'huile est acceptable pour la durée de service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0256364	---	---
Sample Date		Client Info		05 Jan 2024	---	---
Machine Age	hrs	Client Info		205	---	---
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				ABNORMAL	---	---
<hr/>						
Iron	ppm	ASTM D5185(m)	>66	9	---	---
Chromium	ppm	ASTM D5185(m)	>4	<1	---	---
Nickel	ppm	ASTM D5185(m)	>4	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	<1	---	---
Aluminum	ppm	ASTM D5185(m)	>8	1	---	---
Lead	ppm	ASTM D5185(m)	>10	5	---	---
Copper	ppm	ASTM D5185(m)	>74	102	---	---
Tin	ppm	ASTM D5185(m)	>4	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
<hr/>						
Silicon	ppm	ASTM D5185(m)	>15	5	---	---
Potassium	ppm	ASTM D5185(m)	>20	12	---	---
Fuel	%	ASTM D7593*	>5	1.7	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol	%	ASTM D7922*		0.0	---	---
Soot %	%	ASTM D7844*	>3	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	4.3	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	31.1	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
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Sodium	ppm	ASTM D5185(m)		2	---	---
Boron	ppm	ASTM D5185(m)	0	35	---	---
Barium	ppm	ASTM D5185(m)	0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	0	0	---	---
Manganese	ppm	ASTM D5185(m)	1	<1	---	---
Magnesium	ppm	ASTM D5185(m)	0	5	---	---
Calcium	ppm	ASTM D5185(m)	100	1153	---	---
Phosphorus	ppm	ASTM D5185(m)	670	608	---	---
Zinc	ppm	ASTM D5185(m)	850	749	---	---
Sulfur	ppm	ASTM D5185(m)	1600	3381	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	23.7	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	47.9	45.9	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	9.67	▲ 8.1	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	192	150	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **Entreprise Forestiere Hubert & Latourelle Inc.**
Sample No. : LH0256364 **Received** : 10 Jan 2024 175 rue Alexandre
Lab Number : 02607862 **Diagnosed** : 15 Jan 2024 Thurso, QC
Unique Number : 5708948 **Diagnostician** : Kevin Marson CA J0X 3B0
Test Package : MOB 1 (Additional Tests: FuelDilution, Glycol, KV40, PercentFuel, VI) **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: