



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR LH22M 136874-1250
Component
Diesel Engine
Fluid
PETRO CANADA DURON UHP 5W30 (--- 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		LH	LH0249963	---
Sample Date		Client Info		05 Jan 2024	25 Jan 2023	---
Machine Age	hrs	Client Info		1000	500	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

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

Iron	ppm	ASTM D5185(m)	>100	15	17	---
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>15	3	4	---
Lead	ppm	ASTM D5185(m)	>30	<1	1	---
Copper	ppm	ASTM D5185(m)	>125	5	12	---
Tin	ppm	ASTM D5185(m)	>5	0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

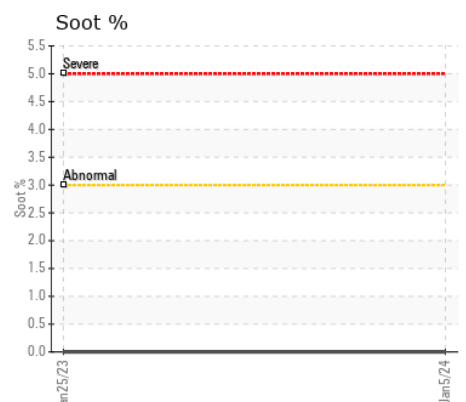
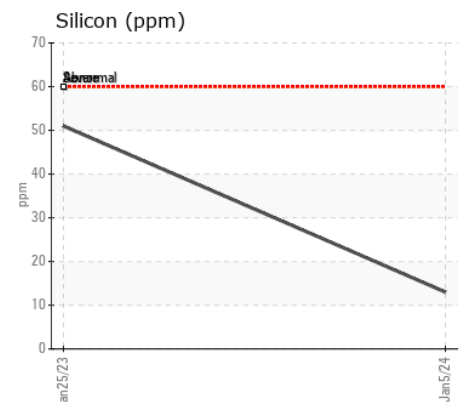
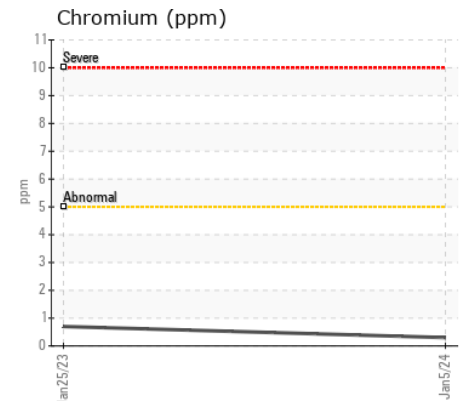
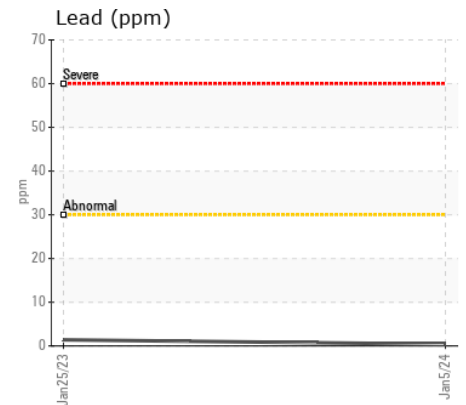
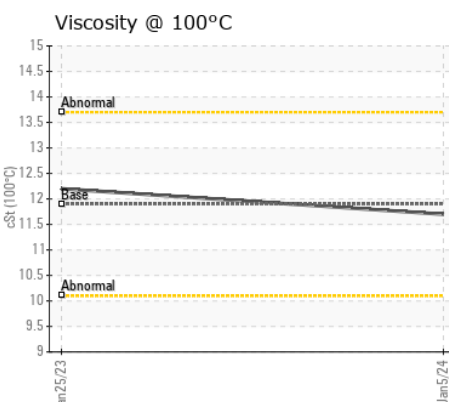
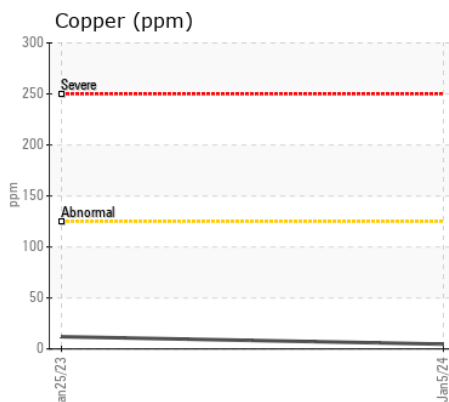
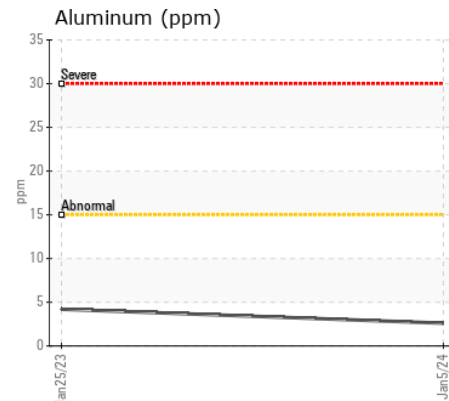
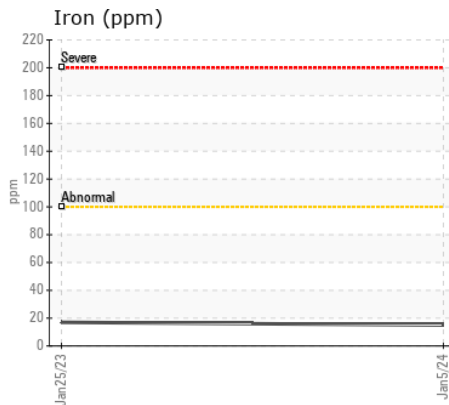
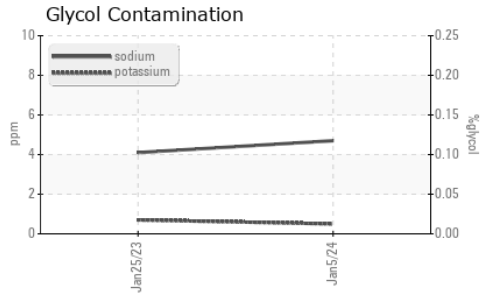
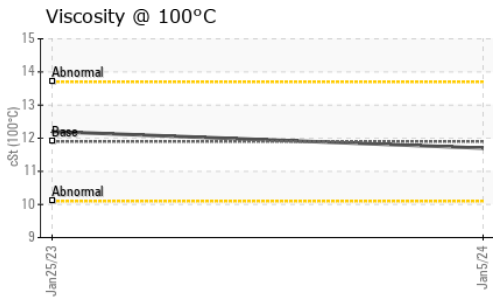
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>60	13	51	---
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol	%	ASTM D7922*		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	9.9	10.0	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.9	35.0	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		5	4	---
Boron	ppm	ASTM D5185(m)	0	44	102	---
Barium	ppm	ASTM D5185(m)	0	<1	6	---
Molybdenum	ppm	ASTM D5185(m)	64	58	33	---
Manganese	ppm	ASTM D5185(m)	0	<1	6	---
Magnesium	ppm	ASTM D5185(m)	1160	1086	740	---
Calcium	ppm	ASTM D5185(m)	820	905	1745	---
Phosphorus	ppm	ASTM D5185(m)	1160	1030	838	---
Zinc	ppm	ASTM D5185(m)	1260	1153	911	---
Sulfur	ppm	ASTM D5185(m)	3000	3034	2250	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	20.5	40.0	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.9	11.7	12.2	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LA REGIE DES MATIERES RESIDUELLES DU LAC ST-JEAN
Sample No. : LH **Recieved** : 12 Jan 2024 **625 RUE BERGERON OUEST**
Lab Number : 02608435 **Diagnosed** : 15 Jan 2024 **ALMA, QC**
Unique Number : 5709521 **Diagnostician** : Kevin Marson **CA G8B 1V3**
Test Package : MOB 1 (Additional Tests: Glycol) **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: