MOB I

LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
LIEBHERR LH50M 124712-1216
Component
Diesel Engine
Fluid
PETRO CANADA SUPREME 5W30 (--- GAL)

RECOMMENDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

WEAR

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

CONTAMINATION

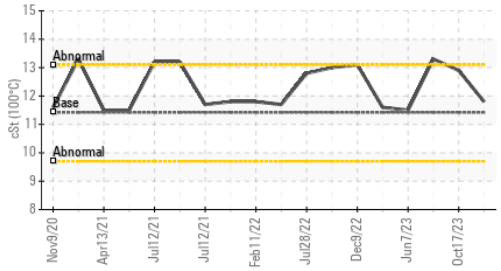
Il n`y a aucun indice de contamination dans l'huile.

FLUID CONDITION

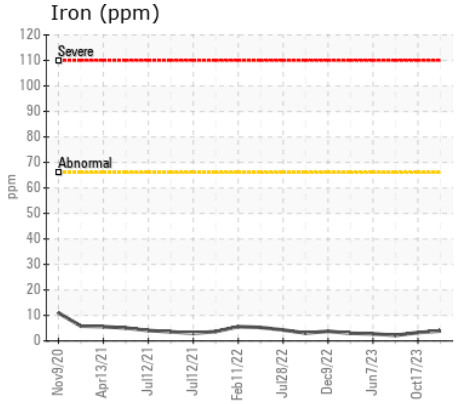
L'état de l'huile est acceptable pour la durée de service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**LH0277308**	LH0277339	LH0271425
Sample Date		Client Info		**16 Jan 2024**	17 Oct 2023	24 Jul 2023
Machine Age	hrs	Client Info		**12176**	11300	10587
Oil Age	hrs	Client Info		**0**	0	0
Filter Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**Changed**	Changed	N/A
Filter Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**NORMAL**	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>66	**4**	3	2
Chromium	ppm	ASTM D5185(m)	>4	**0**	0	0
Nickel	ppm	ASTM D5185(m)	>4	**<1**	0	0
Titanium	ppm	ASTM D5185(m)		**0**	0	0
Silver	ppm	ASTM D5185(m)	>3	**0**	<1	0
Aluminum	ppm	ASTM D5185(m)	>8	**2**	1	1
Lead	ppm	ASTM D5185(m)	>10	**<1**	<1	<1
Copper	ppm	ASTM D5185(m)	>74	**<1**	1	1
Tin	ppm	ASTM D5185(m)	>4	**0**	0	0
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Silicon	ppm	ASTM D5185(m)	>15	**8**	6	9
Potassium	ppm	ASTM D5185(m)	>20	**2**	0	<1
Fuel		WC Method	>5	**<1.0**	<1.0	<1.0
Water		WC Method	>0.2	**NEG**	NEG	NEG
Glycol		WC Method		**NEG**	NEG	NEG
Soot %	%	ASTM D7844*	>3	**0**	0	0
Nitration	Abs/cm	ASTM D7624*	>20	**10.4**	9.7	7.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	**22.1**	20.5	18.1
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185(m)		**4**	2	1
Boron	ppm	ASTM D5185(m)	186	**22**	2	2
Barium	ppm	ASTM D5185(m)	<1	**0**	<1	0
Molybdenum	ppm	ASTM D5185(m)	79	**57**	59	58
Manganese	ppm	ASTM D5185(m)	0	**0**	0	<1
Magnesium	ppm	ASTM D5185(m)	578	**1019**	960	1006
Calcium	ppm	ASTM D5185(m)	1002	**983**	1106	1012
Phosphorus	ppm	ASTM D5185(m)	745	**1021**	1037	1086
Zinc	ppm	ASTM D5185(m)	837	**1192**	1210	1201
Sulfur	ppm	ASTM D5185(m)	2502	**2978**	2504	2585
Oxidation	Abs/.1mm	ASTM D7414*	>25	**21.9**	18.4	14.1
Visc @ 100°C	cSt	ASTM D7279(m)	11.42	**11.8**	12.9	13.3

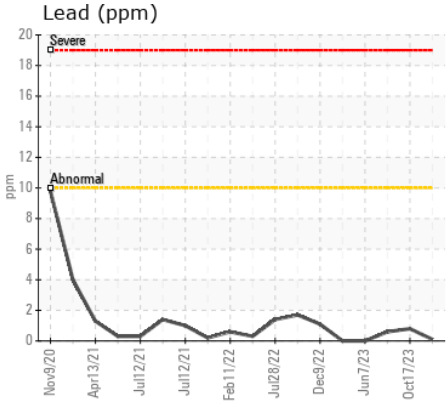
Viscosity @ 100°C



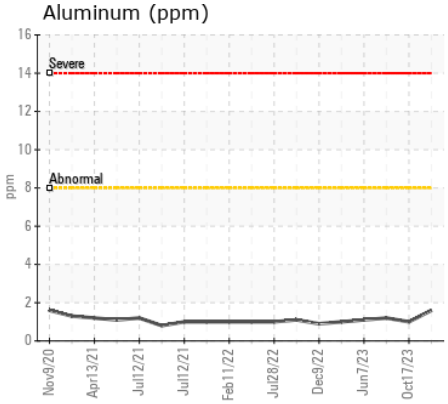
Iron (ppm)



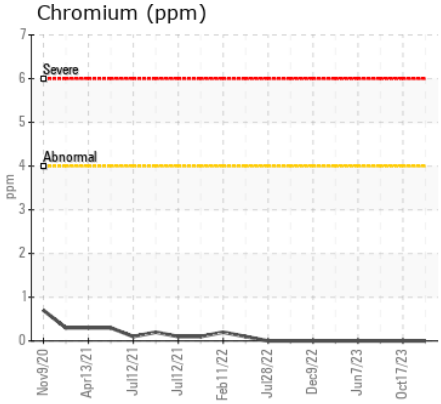
Lead (ppm)



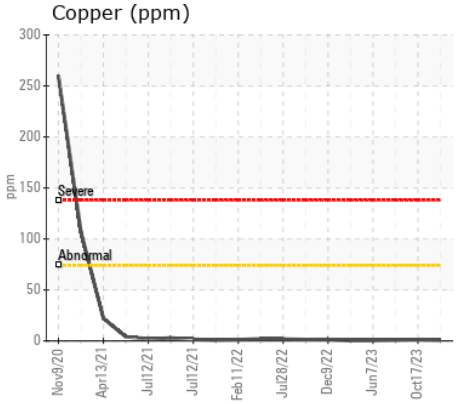
Aluminum (ppm)



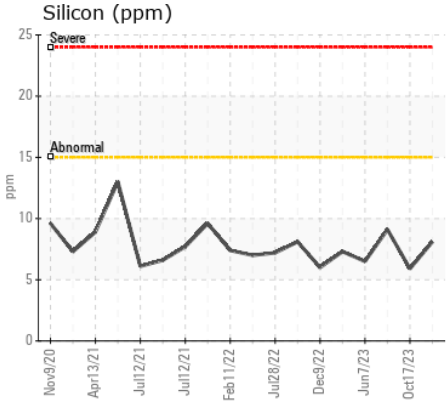
Chromium (ppm)



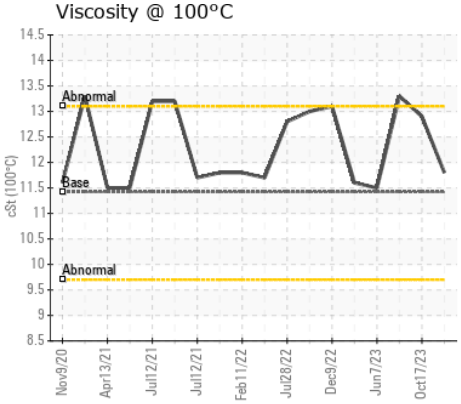
Copper (ppm)



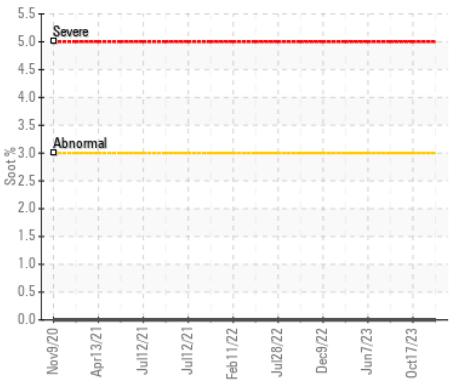
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0277308 **Recieved** : 18 Jan 2024
Lab Number : 02609680 **Diagnosed** : 18 Jan 2024
Unique Number : 5710766 **Diagnostician** : Wes Davis
Test Package : MOB 1

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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