MOBIL LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
713069
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 10W30 (--- 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

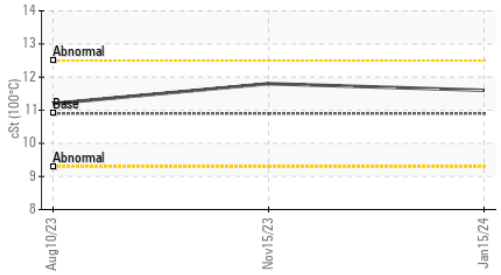
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n`y a aucun indice de contamination dans l'huile.

FLUID CONDITION

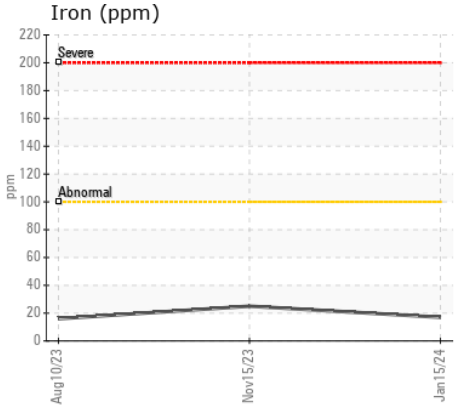
L'état de l'huile est acceptable pour la durée de service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**GFL0103735**	GFL0097133	GFL0084447
Sample Date		Client Info		**15 Jan 2024**	15 Nov 2023	10 Aug 2023
Machine Age	hrs	Client Info		**1850**	17931	9786
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		**Changed**	Changed	N/A
Sample Status				**NORMAL**	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>100	**17**	25	16
Chromium	ppm	ASTM D5185(m)	>20	**<1**	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	**<1**	<1	<1
Titanium	ppm	ASTM D5185(m)		**0**	0	0
Silver	ppm	ASTM D5185(m)	>3	**<1**	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	**5**	8	2
Lead	ppm	ASTM D5185(m)	>40	**<1**	2	<1
Copper	ppm	ASTM D5185(m)	>330	**38**	63	53
Tin	ppm	ASTM D5185(m)	>15	**<1**	<1	<1
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Silicon	ppm	ASTM D5185(m)	>25	**2**	4	5
Potassium	ppm	ASTM D5185(m)	>20	**14**	27	3
Fuel		WC Method	>5	**<1.0**	<1.0	0.5
Water		WC Method	>0.2	**NEG**	NEG	NEG
Glycol		WC Method		**NEG**	NEG	NEG
Soot %	%	ASTM D7844*	>3	**0.5**	0.8	0.3
Nitration	Abs/cm	ASTM D7624*	>20	**7.4**	8.7	7.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	**20.4**	22.3	21.9
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185(m)		**1**	2	2
Boron	ppm	ASTM D5185(m)	250	**4**	25	34
Barium	ppm	ASTM D5185(m)	10	**0**	<1	0
Molybdenum	ppm	ASTM D5185(m)	100	**56**	46	62
Manganese	ppm	ASTM D5185(m)		**0**	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	**859**	472	537
Calcium	ppm	ASTM D5185(m)	3000	**1174**	1695	1826
Phosphorus	ppm	ASTM D5185(m)	1150	**935**	725	930
Zinc	ppm	ASTM D5185(m)	1350	**1098**	893	1069
Sulfur	ppm	ASTM D5185(m)	4250	**2517**	1837	2423
Oxidation	Abs/.1mm	ASTM D7414*	>25	**15.3**	19.2	17.2
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	**11.6**	11.8	11.2

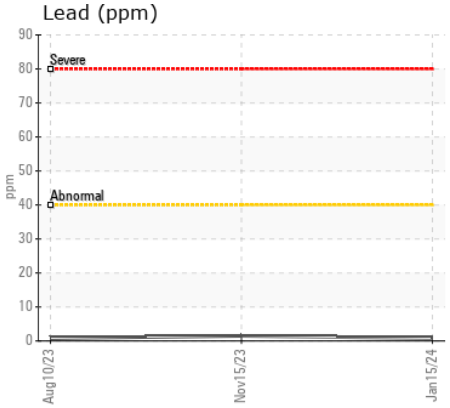
Viscosity @ 100°C



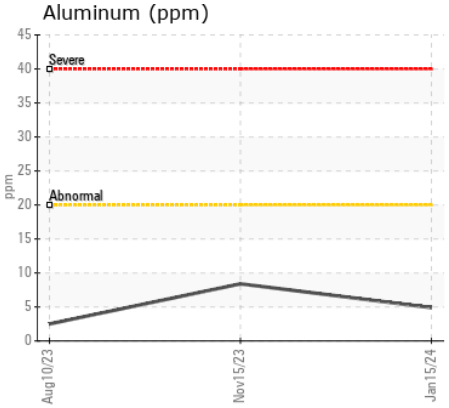
Iron (ppm)



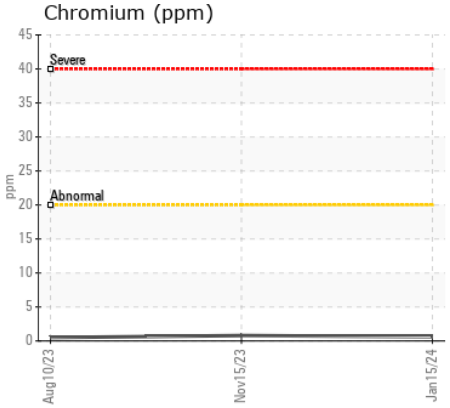
Lead (ppm)



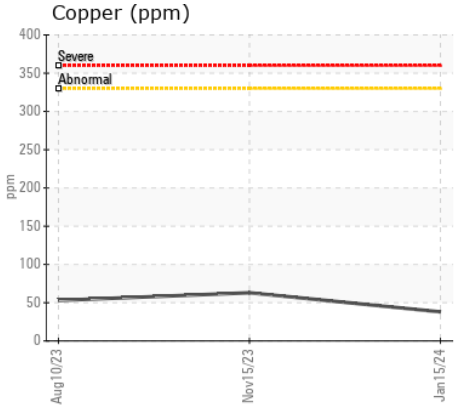
Aluminum (ppm)



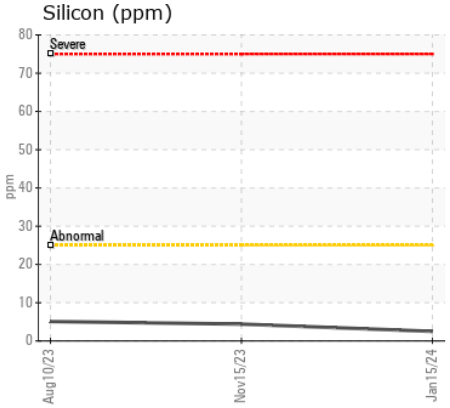
Chromium (ppm)



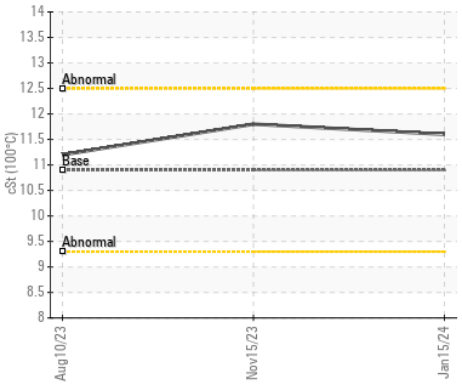
Copper (ppm)



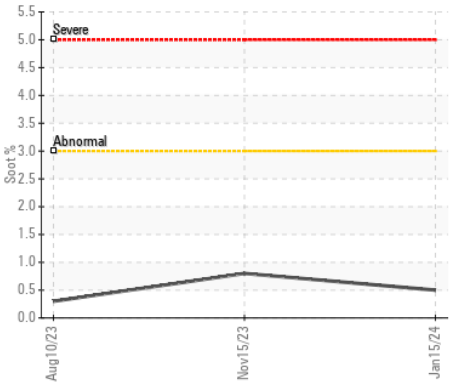
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: GFL0103735	**Recieved**	: 18 Jan 2024
Lab Number	: 02609682	**Diagnosed**	: 18 Jan 2024
Unique Number	: 5710768	**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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