MOBIL LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
913158
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

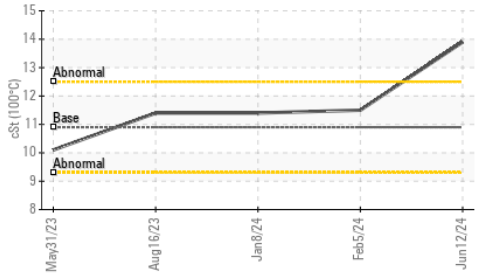
Il n`y a aucun indice de contamination dans l`huile.

FLUID CONDITION

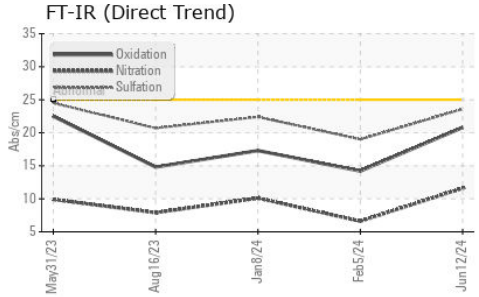
La viscosité de l'échantillon se situe dans la portée de l'SAE 40; nous vous conseillons de vérifier. L`état de l`huile est acceptable pour la durée de service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0119761	GFL0103775	GFL0103740
Sample Date		Client Info		12 Jun 2024	05 Feb 2024	08 Jan 2024
Machine Age	hrs	Client Info		3346	24114	2170
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>120	18	9	28
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	3	1	4
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	<1	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	2	2
Lead	ppm	ASTM D5185(m)	>40	0	<1	2
Copper	ppm	ASTM D5185(m)	>330	4	6	38
Tin	ppm	ASTM D5185(m)	>15	1	<1	2
Vanadium	ppm	ASTM D5185(m)		0	0	0
Silicon	ppm	ASTM D5185(m)	>25	3	3	5
Potassium	ppm	ASTM D5185(m)	>20	1	1	9
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>4	0.8	0.2	0.8
Nitration	Abs/cm	ASTM D7624*	>20	11.6	6.6	10.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.6	19.0	22.4
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		11	6	9
Boron	ppm	ASTM D5185(m)	250	9	2	2
Barium	ppm	ASTM D5185(m)	10	0	0	0
Molybdenum	ppm	ASTM D5185(m)	100	51	58	58
Manganese	ppm	ASTM D5185(m)		<1	0	<1
Magnesium	ppm	ASTM D5185(m)	450	590	962	906
Calcium	ppm	ASTM D5185(m)	3000	1440	1052	1131
Phosphorus	ppm	ASTM D5185(m)	1150	654	997	875
Zinc	ppm	ASTM D5185(m)	1350	880	1147	1149
Sulfur	ppm	ASTM D5185(m)	4250	1807	2627	1982
Oxidation	Abs/.1mm	ASTM D7414*	>25	20.8	14.2	17.3
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	▲ 13.9	11.5	11.4

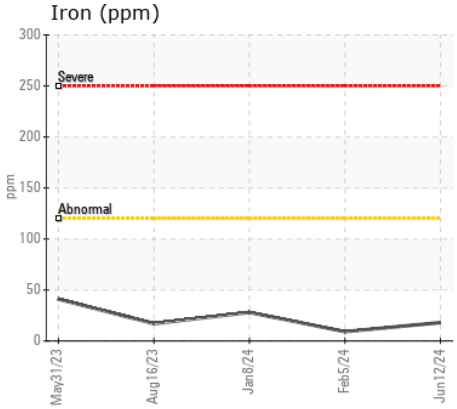
Viscosity @ 100°C



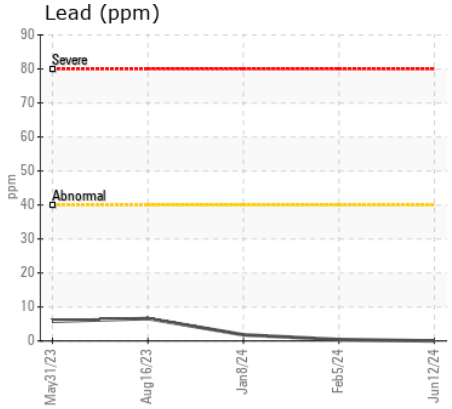
FT-IR (Direct Trend)



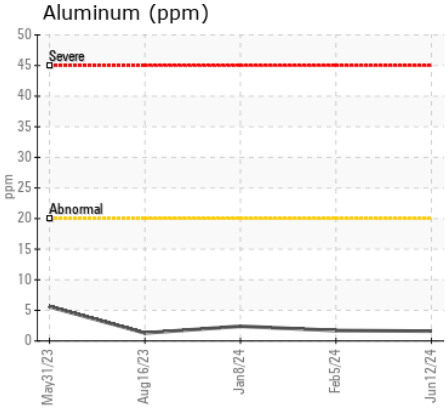
Iron (ppm)



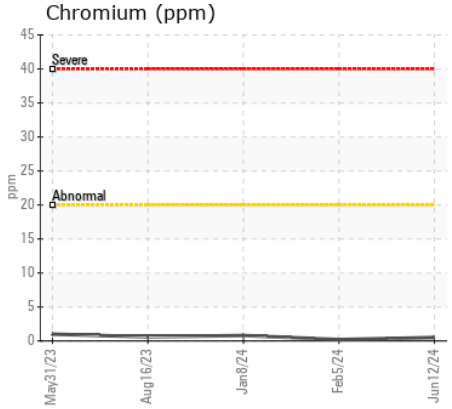
Lead (ppm)



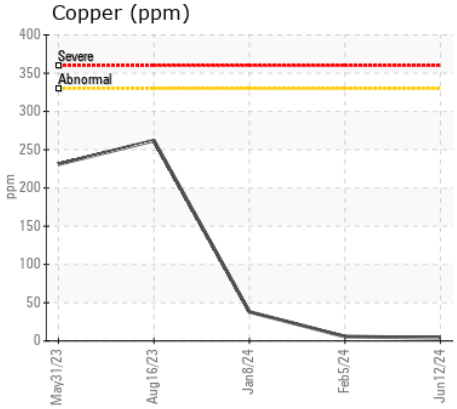
Aluminum (ppm)



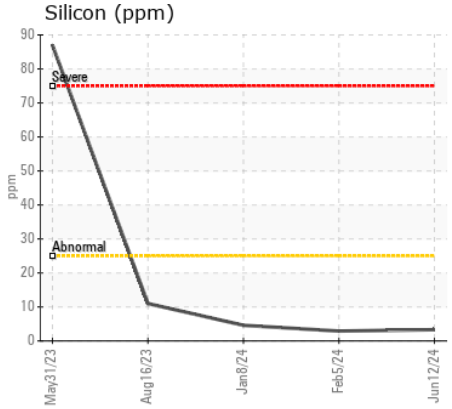
Chromium (ppm)



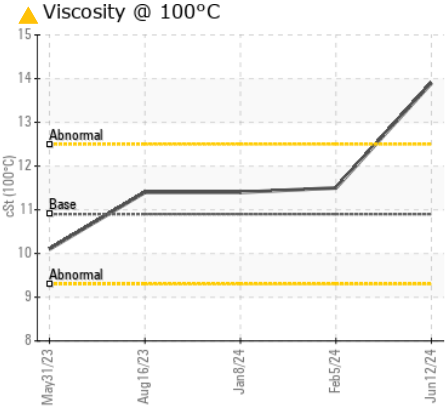
Copper (ppm)



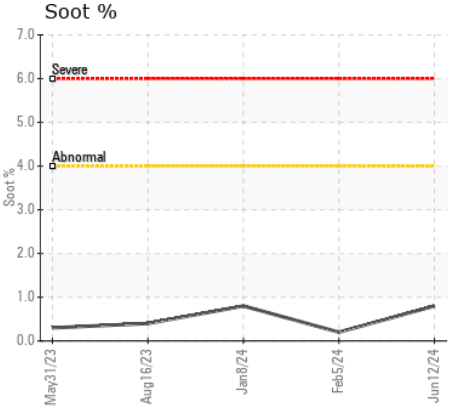
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0119761
Lab Number : 02643142
Unique Number : 5800681
Test Package : MOB 1

Received : 20 Jun 2024
Tested : 20 Jun 2024
Diagnosed : 20 Jun 2024 - Kevin Marson

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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