MOB I LUBE 360™ OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
913139
Component
Diesel Engine
Fluid
PETRO CANADA DURON SAE 10W30 (--- GAL)

RECOMMENDATION

Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage. 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

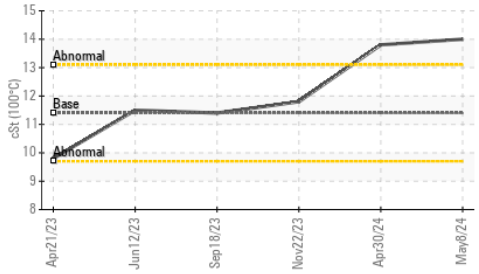
Il n`y a aucun indice de contamination dans l`huile.

FLUID CONDITION

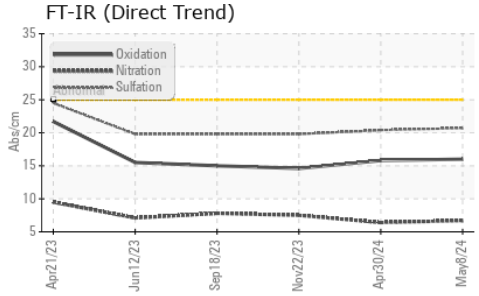
La viscosité de l'échantillon se situe dans la portée de l'SAE 40; nous vous conseillons de vérifier. Ceci, en plus des niveaux d`additifs, indique que la marque ou le type d`huile ne correspond pas à ce qui a été signalé. L`état de l`huile est acceptable pour la durée de service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**GFL0119697**	GFL0114849	GFL0097071
Sample Date		Client Info		**08 May 2024**	30 Apr 2024	22 Nov 2023
Machine Age	hrs	Client Info		**2721**	2633	1973
Oil Age	hrs	Client Info		**0**	0	600
Filter Age	hrs	Client Info		**0**	0	600
Oil Changed		Client Info		**Changed**	Changed	Changed
Filter Changed		Client Info		**Changed**	Changed	Changed
Sample Status				**ABNORMAL**	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>120	**5**	5	13
Chromium	ppm	ASTM D5185(m)	>20	**0**	0	<1
Nickel	ppm	ASTM D5185(m)	>5	**2**	2	5
Titanium	ppm	ASTM D5185(m)	>2	**0**	0	0
Silver	ppm	ASTM D5185(m)	>2	**0**	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	**<1**	<1	1
Lead	ppm	ASTM D5185(m)	>40	**0**	0	1
Copper	ppm	ASTM D5185(m)	>330	**7**	7	39
Tin	ppm	ASTM D5185(m)	>15	**0**	0	<1
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Silicon	ppm	ASTM D5185(m)	>25	**2**	2	3
Potassium	ppm	ASTM D5185(m)	>20	**0**	<1	0
Fuel		WC Method	>3.0	**<1.0**	0.0	<1.0
Water		WC Method	>0.2	**NEG**	NEG	NEG
Glycol		WC Method		**NEG**	NEG	NEG
Soot %	%	ASTM D7844*	>4	**0.1**	0.1	0.3
Nitration	Abs/cm	ASTM D7624*	>20	**6.7**	6.4	7.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	**20.7**	20.4	19.8
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185(m)		**6**	6	6
Boron	ppm	ASTM D5185(m)	1	**26**	27	3
Barium	ppm	ASTM D5185(m)	1	**0**	0	0
Molybdenum	ppm	ASTM D5185(m)	1	**47**	46	56
Manganese	ppm	ASTM D5185(m)	1	**<1**	<1	0
Magnesium	ppm	ASTM D5185(m)	10	**596**	587	912
Calcium	ppm	ASTM D5185(m)	2942	**1454**	1465	1051
Phosphorus	ppm	ASTM D5185(m)	1102	**757**	766	942
Zinc	ppm	ASTM D5185(m)	1351	**926**	919	1128
Sulfur	ppm	ASTM D5185(m)	3903	**2042**	2063	2342
Oxidation	Abs/.1mm	ASTM D7414*	>25	**16.0**	15.8	14.6
Visc @ 100°C	cSt	ASTM D7279(m)	11.4	▲ **14.0**	▲ 13.8	11.8

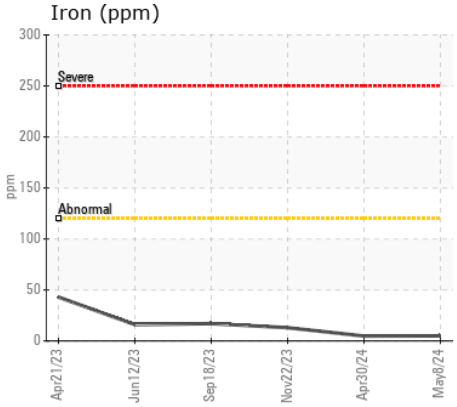
Viscosity @ 100°C



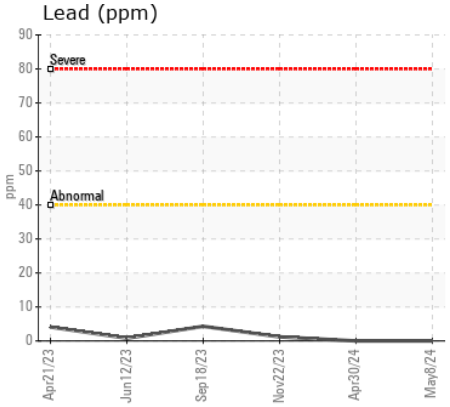
FT-IR (Direct Trend)



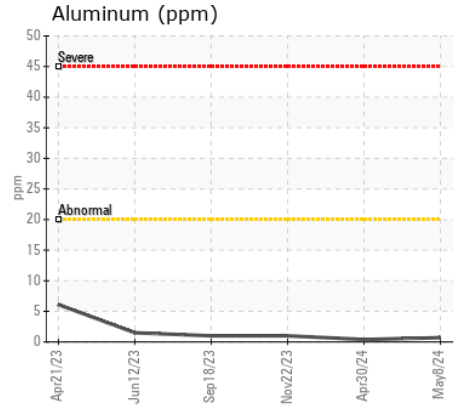
Iron (ppm)



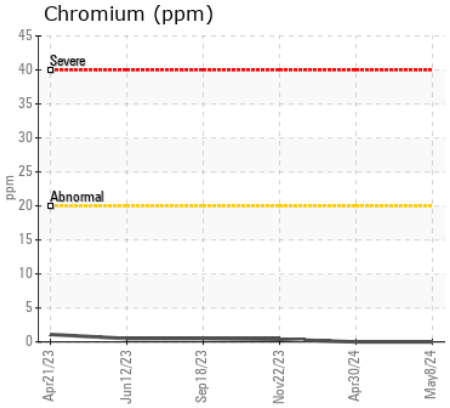
Lead (ppm)



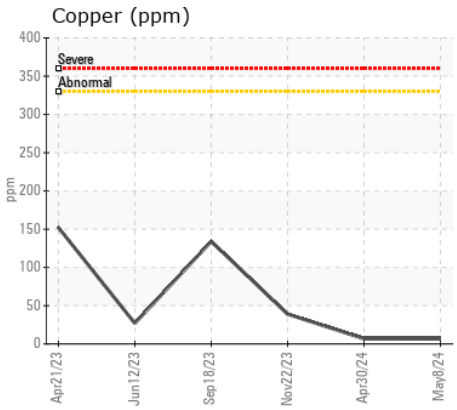
Aluminum (ppm)



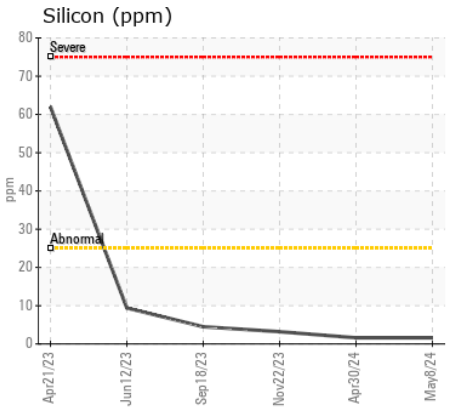
Chromium (ppm)



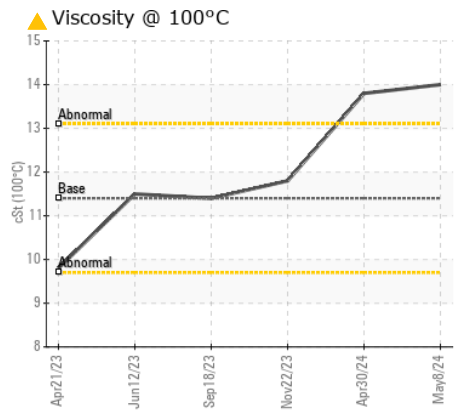
Copper (ppm)



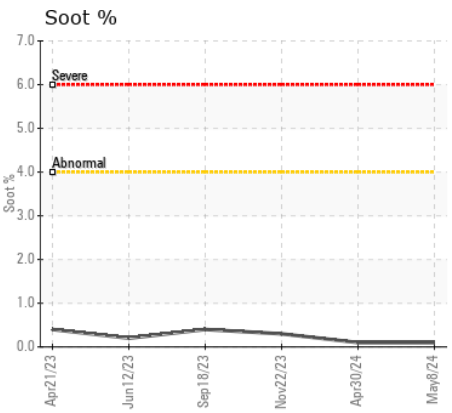
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: GFL0119697	**Received**	: 13 May 2024
Lab Number	: 02634847	**Tested**	: 13 May 2024
Unique Number	: 5776000	**Diagnosed**	: 13 May 2024 - Kevin Marson
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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