MOB I LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
711021
Component
Diesel Engine
Fluid
PETRO CANADA DURON SAE 10W30 (--- GAL)

RECOMMENDATION

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

WEAR

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

CONTAMINATION

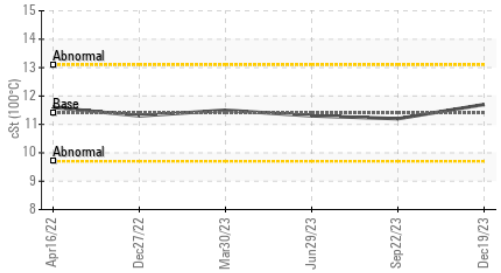
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n`y a aucun indice de contamination dans l'huile.

FLUID CONDITION

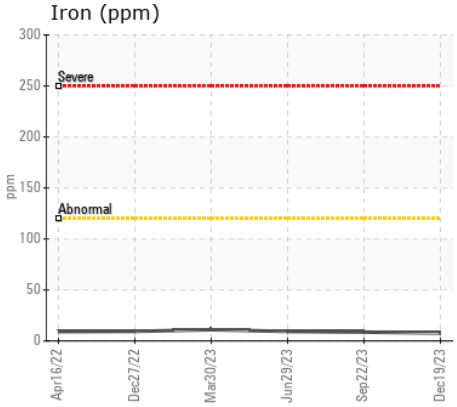
L'état de l'huile est acceptable pour la durée de service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**GFL0103665**	GFL0088884	GFL0084421
Sample Date		Client Info		**19 Dec 2023**	22 Sep 2023	29 Jun 2023
Machine Age	kms	Client Info		**93913**	84012	4222
Oil Age	kms	Client Info		**0**	0	600
Filter Age	kms	Client Info		**0**	0	600
Oil Changed		Client Info		**Changed**	Changed	Changed
Filter Changed		Client Info		**Changed**	Changed	Changed
Sample Status				**NORMAL**	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>120	**8**	9	9
Chromium	ppm	ASTM D5185(m)	>20	**<1**	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	**<1**	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	**0**	0	0
Silver	ppm	ASTM D5185(m)	>2	**0**	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	**5**	9	4
Lead	ppm	ASTM D5185(m)	>40	**<1**	<1	<1
Copper	ppm	ASTM D5185(m)	>330	**<1**	<1	<1
Tin	ppm	ASTM D5185(m)	>15	**<1**	<1	<1
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Silicon	ppm	ASTM D5185(m)	>25	**3**	3	3
Potassium	ppm	ASTM D5185(m)	>20	**13**	23	8
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	**0.2**	0.2	0.2
Nitration	Abs/cm	ASTM D7624*	>20	**7.4**	7.5	7.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	**18.8**	19.6	19.4
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185(m)		**7**	9	3
Boron	ppm	ASTM D5185(m)	1	**1**	2	2
Barium	ppm	ASTM D5185(m)	1	**0**	<1	0
Molybdenum	ppm	ASTM D5185(m)	1	**56**	59	59
Manganese	ppm	ASTM D5185(m)	1	**0**	0	<1
Magnesium	ppm	ASTM D5185(m)	10	**929**	945	973
Calcium	ppm	ASTM D5185(m)	2942	**1067**	1133	1041
Phosphorus	ppm	ASTM D5185(m)	1102	**940**	970	1048
Zinc	ppm	ASTM D5185(m)	1351	**1140**	1179	1181
Sulfur	ppm	ASTM D5185(m)	3903	**2603**	2367	2382
Oxidation	Abs/.1mm	ASTM D7414*	>25	**14.5**	15.2	15.4
Visc @ 100°C	cSt	ASTM D7279(m)	11.4	**11.7**	11.2	11.3

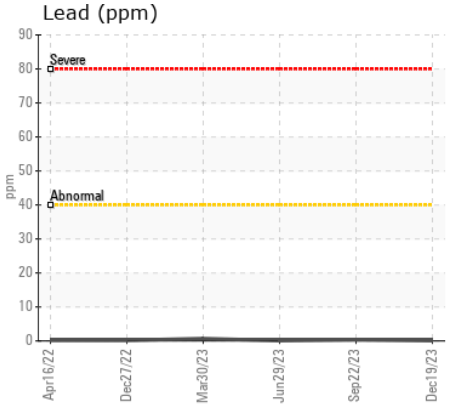
Viscosity @ 100°C



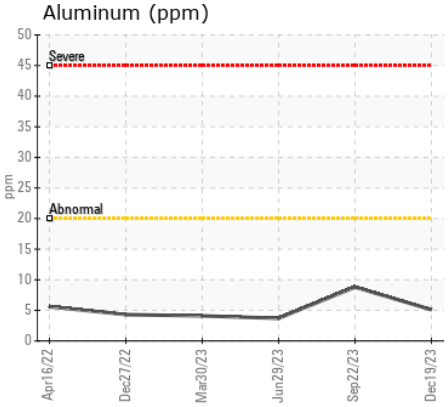
Iron (ppm)



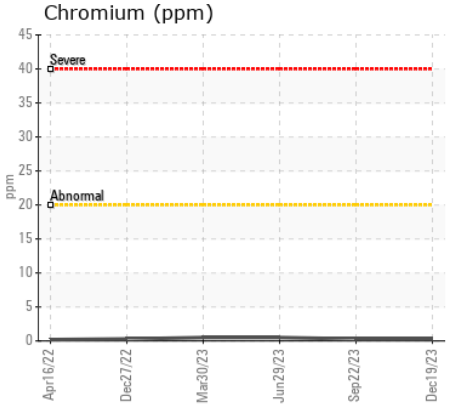
Lead (ppm)



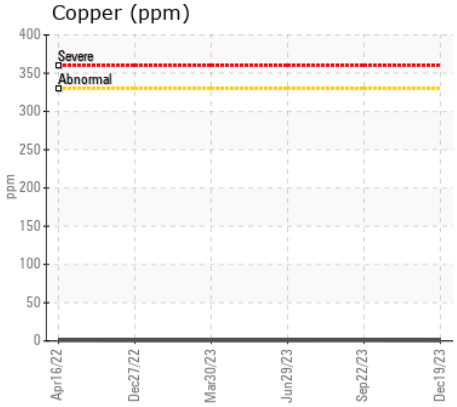
Aluminum (ppm)



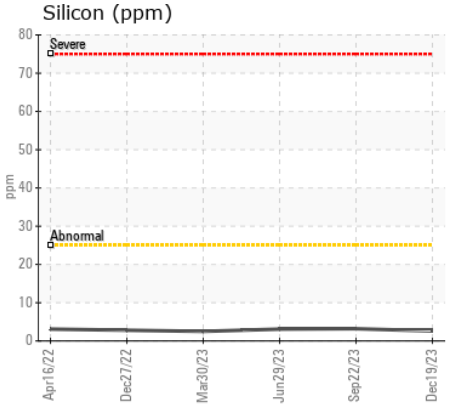
Chromium (ppm)



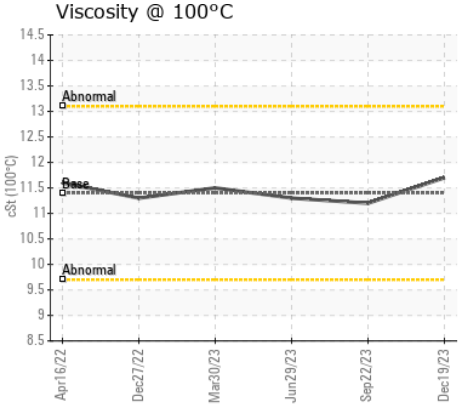
Copper (ppm)



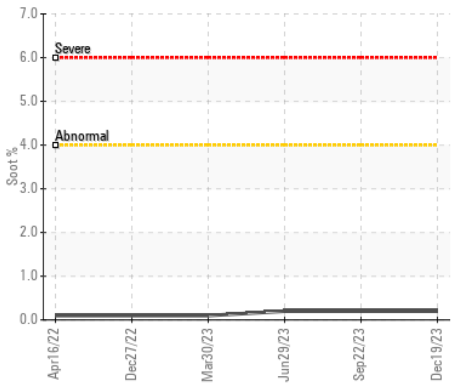
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: GFL0103665	**Recieved**	: 05 Jan 2024
Lab Number	: 02606765	**Diagnosed**	: 05 Jan 2024
Unique Number	: 5707851	**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.

GFL Environmental - 780 - GMA - ICI - Solid Waste
4365 boul. St-Elzear Ouest,
Laval, QC
CA H7P 4J3
Contact: Pieces Laval
pieces.laval@gflenv.com
T: (450)687-3838
F: