MOB I LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
7233
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 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

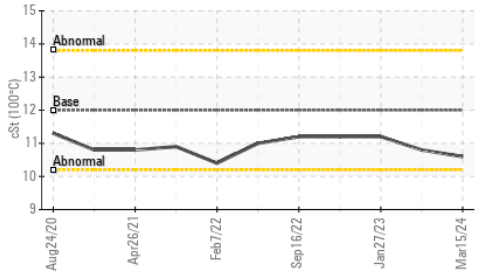
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n`y a aucun indice de contamination dans l'huile.

FLUID CONDITION

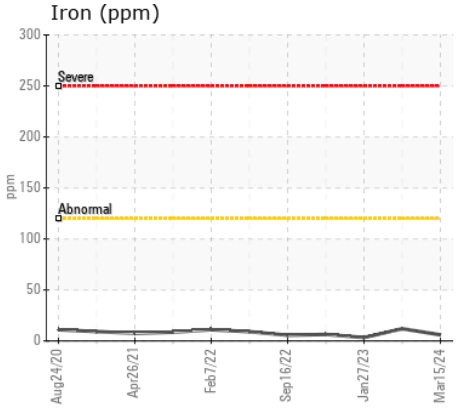
L'état de l'huile est acceptable pour la durée de service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**GFL0114831**	GFL0088688	GFL0067355
Sample Date		Client Info		**15 Mar 2024**	10 Dec 2023	27 Jan 2023
Machine Age	hrs	Client Info		**16121**	0	201156
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				**NORMAL**	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>120	**6**	12	3
Chromium	ppm	ASTM D5185(m)	>20	**0**	<1	0
Nickel	ppm	ASTM D5185(m)	>5	**0**	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	**0**	0	<1
Silver	ppm	ASTM D5185(m)	>2	**0**	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	**2**	3	2
Lead	ppm	ASTM D5185(m)	>40	**0**	1	<1
Copper	ppm	ASTM D5185(m)	>330	**2**	6	<1
Tin	ppm	ASTM D5185(m)	>15	**0**	<1	0
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Silicon	ppm	ASTM D5185(m)	>25	**3**	7	3
Potassium	ppm	ASTM D5185(m)	>20	**7**	6	<1
Fuel		WC Method	>3.0	**<1.0**	2.7	<1.0
Water		WC Method	>0.2	**NEG**	NEG	NEG
Glycol		WC Method		**NEG**	0.0	NEG
Soot %	%	ASTM D7844*	>4	**0**	0.1	0
Nitration	Abs/cm	ASTM D7624*	>20	**9.5**	10.5	6.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	**19.7**	22.5	19.6
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185(m)		**7**	30	10
Boron	ppm	ASTM D5185(m)	2	**5**	10	4
Barium	ppm	ASTM D5185(m)	0	**0**	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	**58**	47	57
Manganese	ppm	ASTM D5185(m)	0	**0**	0	<1
Magnesium	ppm	ASTM D5185(m)	950	**919**	864	938
Calcium	ppm	ASTM D5185(m)	1050	**1071**	1072	1139
Phosphorus	ppm	ASTM D5185(m)	995	**935**	818	1072
Zinc	ppm	ASTM D5185(m)	1180	**1135**	1058	1200
Sulfur	ppm	ASTM D5185(m)	2600	**2452**	2336	2780
Oxidation	Abs/.1mm	ASTM D7414*	>25	**15.9**	17.0	14.5
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	**10.6**	▲ 10.8	11.2

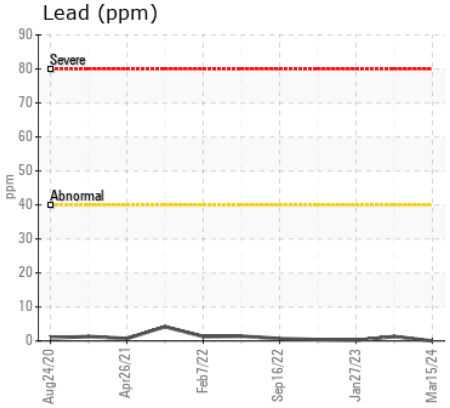
Viscosity @ 100°C



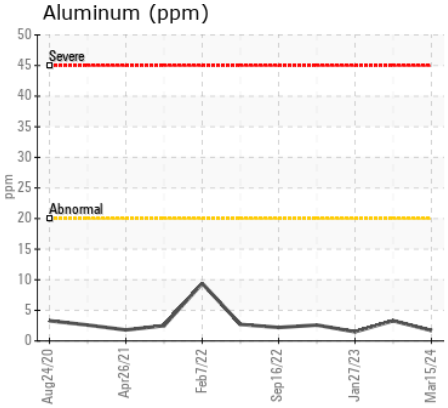
Iron (ppm)



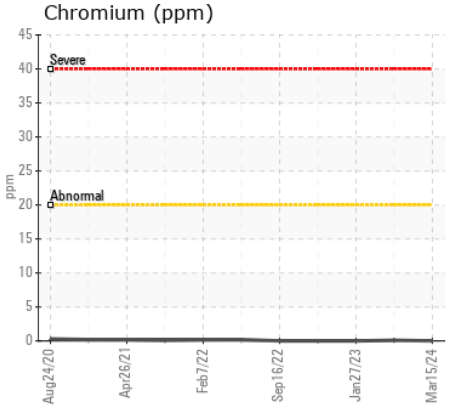
Lead (ppm)



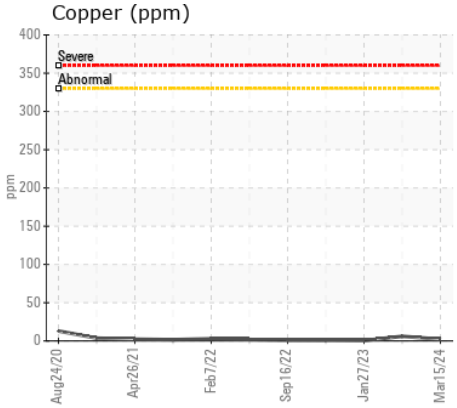
Aluminum (ppm)



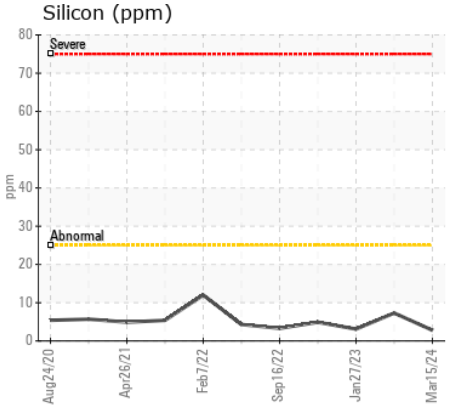
Chromium (ppm)



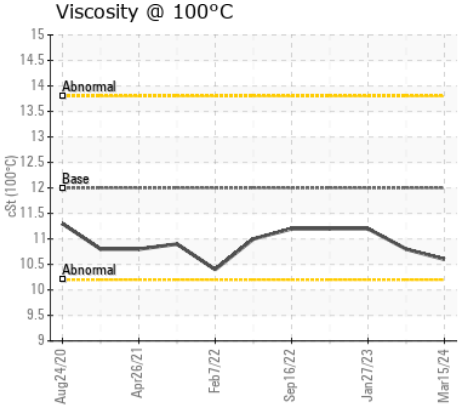
Copper (ppm)



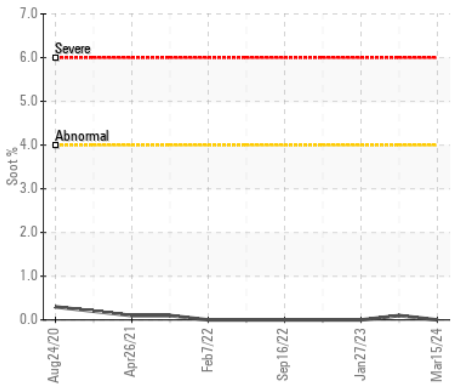
Silicon (ppm)



Viscosity @ 100°C



Soot %



CALA Testing Accreditation No. 1005078
ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0114831
Lab Number : 02625152
Unique Number : 5750271
Test Package : MOB 1

Received : 28 Mar 2024
Tested : 28 Mar 2024
Diagnosed : 28 Mar 2024 - Wes Davis

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: