MOB I LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
701090
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 15W40 (--- GAL)

RECOMMENDATION

Aucune mesure corrective n`est recommandée pour l`instant. 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

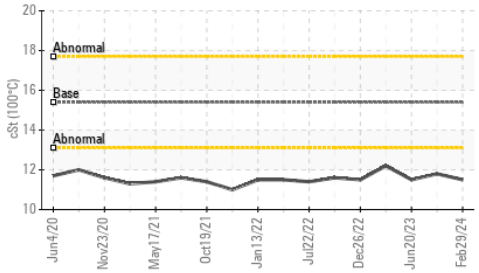
La teneur en carburant est négligeable. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n`y a aucun indice de contamination dans l`huile.

FLUID CONDITION

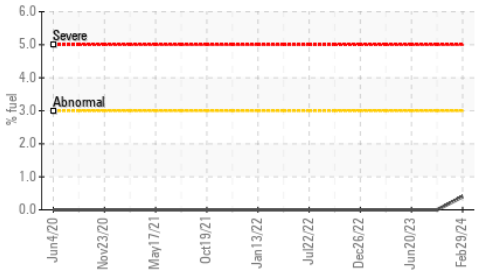
La viscosité de l'échantillon se situe dans la portée de l'SAE 30; nous vous conseillons de vérifier. L`état de l`huile est acceptable pour la durée de service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0107606	GFL0087599	GFL0087666
Sample Date		Client Info		29 Feb 2024	14 Sep 2023	20 Jun 2023
Machine Age	kms	Client Info		216043	194218	183405
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	N/A
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>65	15	10	11
Chromium	ppm	ASTM D5185(m)	>5	1	1	1
Nickel	ppm	ASTM D5185(m)	>3	<1	0	0
Titanium	ppm	ASTM D5185(m)	>5	0	<1	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>35	9	6	3
Lead	ppm	ASTM D5185(m)	>10	0	0	0
Copper	ppm	ASTM D5185(m)	>180	4	2	2
Tin	ppm	ASTM D5185(m)	>8	<1	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Silicon	ppm	ASTM D5185(m)	>15	4	3	3
Potassium	ppm	ASTM D5185(m)	>20	12	9	3
Fuel	%	ASTM D7593*	>3.0	0.4	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.5	0.4	0.3
Nitration	Abs/cm	ASTM D7624*	>20	8.3	6.9	6.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.2	19.3	19.1
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		2	2	2
Boron	ppm	ASTM D5185(m)	0	1	2	2
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	61	58	57
Manganese	ppm	ASTM D5185(m)	0	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	987	958	955
Calcium	ppm	ASTM D5185(m)	1070	1098	1054	1033
Phosphorus	ppm	ASTM D5185(m)	1150	1001	1029	1027
Zinc	ppm	ASTM D5185(m)	1270	1222	1189	1164
Sulfur	ppm	ASTM D5185(m)	2060	2483	2411	2403
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.1	14.3	14.6
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	▲ 11.5	11.8	11.5

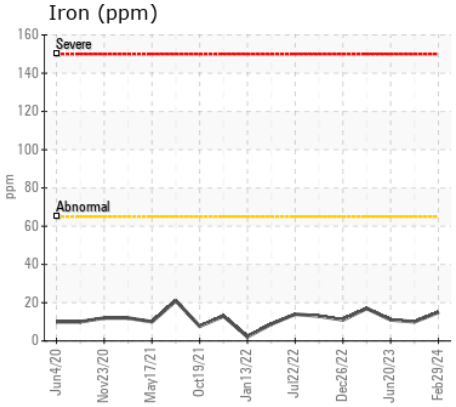
Viscosity @ 100°C



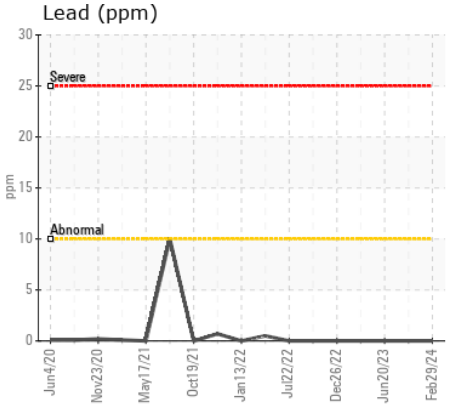
Fuel Dilution



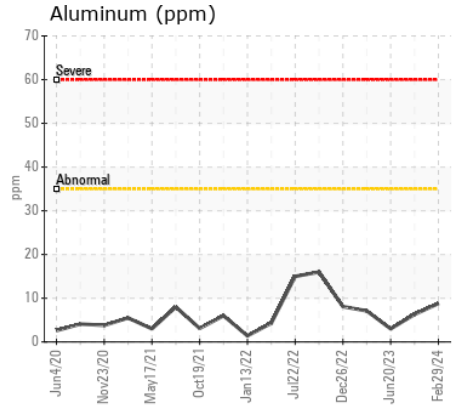
Iron (ppm)



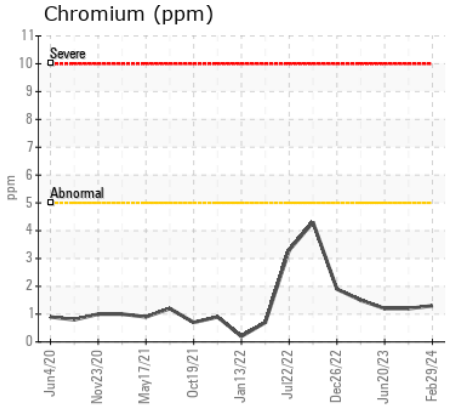
Lead (ppm)



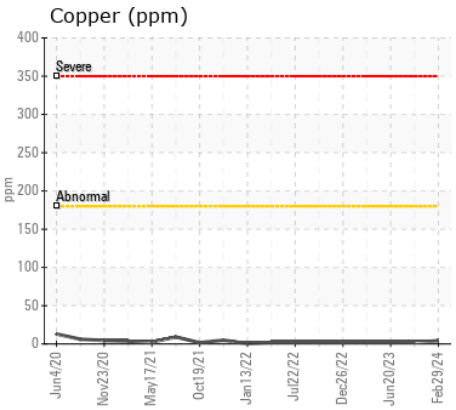
Aluminum (ppm)



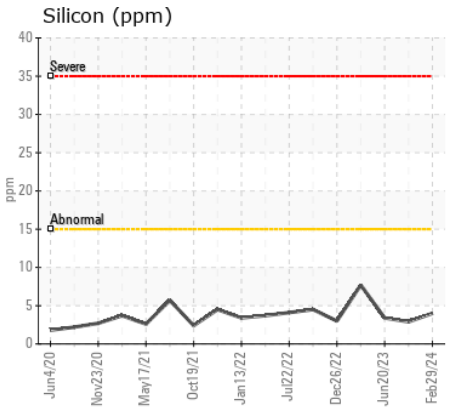
Chromium (ppm)



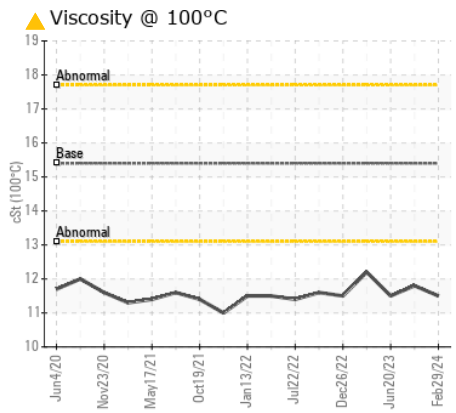
Copper (ppm)



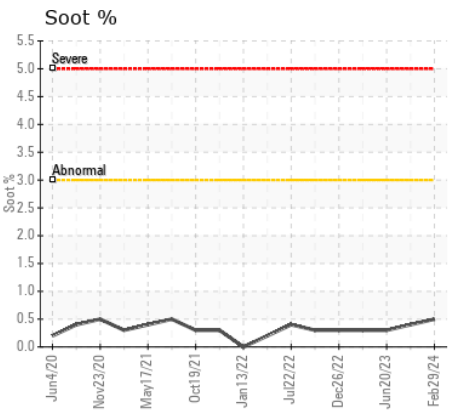
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0107606
Lab Number : 02619776
Unique Number : 5736886
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

Received : 04 Mar 2024
Tested : 05 Mar 2024
Diagnosed : 06 Mar 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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