MOB I LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	ABNORMAL
FLUID CONDITION	ABNORMAL

Machine Id
901087
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION

Nous avons pris note que la vidange d`huile a été effectuée au moment de l`échantillonnage. Nous vous recommandons d`échantillonner de nouveau dès que possible afin de contrôler la situation.

WEAR

Usure de la soupape d`échappement.

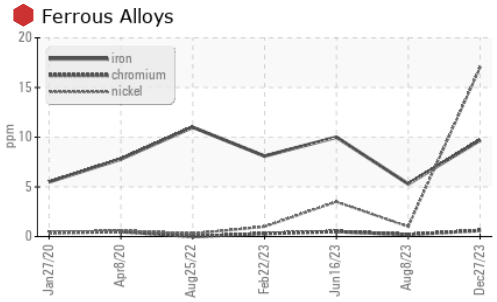
CONTAMINATION

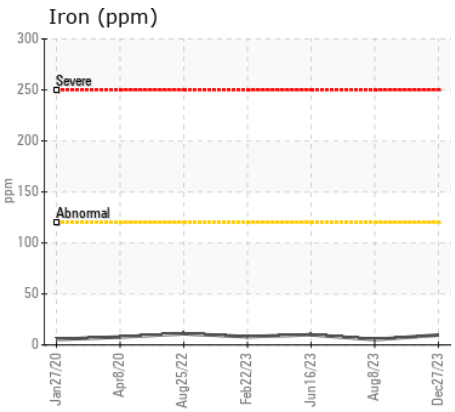
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Quantité modérée de carburant dans l`huile. Les tests confirment la présence de carburant dans l`huile.

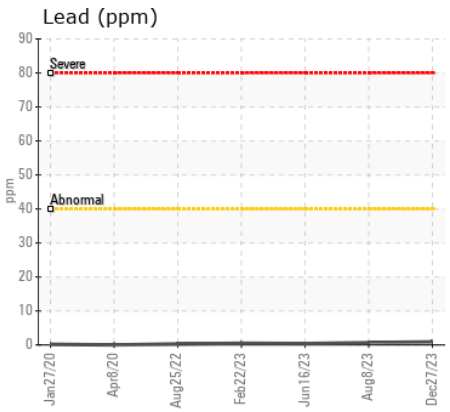
FLUID CONDITION

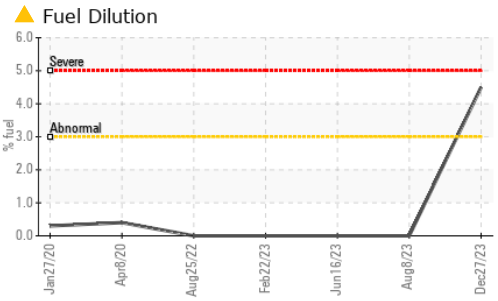
Il y a du carburant dans l`huile, ce qui réduit la viscosité. l`huile n'est plus en état de service en raison d'une usure anomale et/ou sévère.

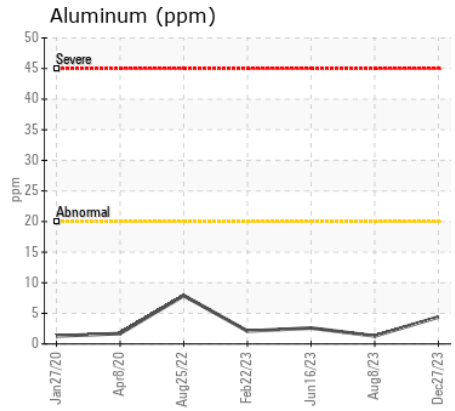
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**GFL0103659**	GFL0088853	GFL0084434
Sample Date		Client Info		**27 Dec 2023**	08 Aug 2023	16 Jun 2023
Machine Age	hrs	Client Info		**11553**	255653	2078
Oil Age	hrs	Client Info		**0**	0	600
Filter Age	hrs	Client Info		**0**	0	600
Oil Changed		Client Info		**Changed**	Changed	Changed
Filter Changed		Client Info		**Changed**	Changed	Changed
Sample Status				**SEVERE**	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>120	**10**	5	10
Chromium	ppm	ASTM D5185(m)	>20	**<1**	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	⬢ **17**	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	**4**	1	3
Lead	ppm	ASTM D5185(m)	>40	**<1**	<1	<1
Copper	ppm	ASTM D5185(m)	>330	**10**	<1	1
Tin	ppm	ASTM D5185(m)	>15	**<1**	0	0
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Silicon	ppm	ASTM D5185(m)	>25	**3**	3	4
Potassium	ppm	ASTM D5185(m)	>20	**13**	<1	<1
Fuel	%	ASTM D7593*	>3.0	▲ **4.5**	<1.0	<1.0
Water		WC Method	>0.2	**NEG**	NEG	NEG
Glycol		WC Method		**NEG**	NEG	NEG
Soot %	%	ASTM D7844*	>4	**0.3**	0.2	0.2
Nitration	Abs/cm	ASTM D7624*	>20	**10.0**	7.4	7.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	**20.4**	20.4	18.7
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185(m)		**9**	4	8
Boron	ppm	ASTM D5185(m)	2	**2**	2	2
Barium	ppm	ASTM D5185(m)	0	**0**	0	0
Molybdenum	ppm	ASTM D5185(m)	50	**55**	54	55
Manganese	ppm	ASTM D5185(m)	0	**<1**	<1	<1
Magnesium	ppm	ASTM D5185(m)	950	**877**	908	930
Calcium	ppm	ASTM D5185(m)	1050	**1072**	1054	1013
Phosphorus	ppm	ASTM D5185(m)	995	**910**	979	951
Zinc	ppm	ASTM D5185(m)	1180	**1100**	1123	1141
Sulfur	ppm	ASTM D5185(m)	2600	**2368**	2308	2238
Oxidation	Abs/.1mm	ASTM D7414*	>25	**16.1**	14.8	14.2
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	▲ **9.9**	10.3	10.8

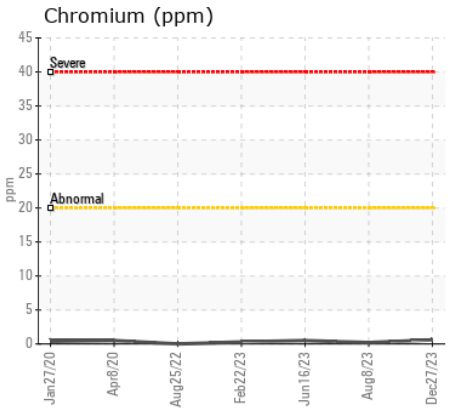


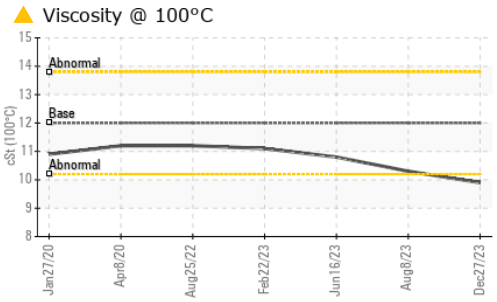


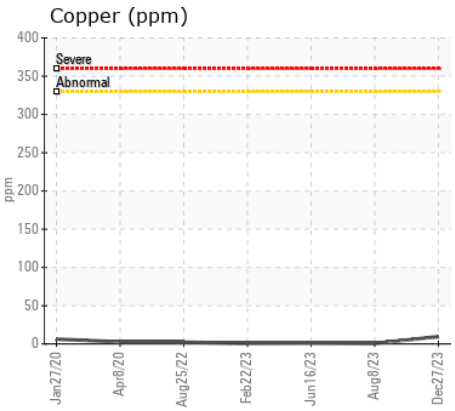


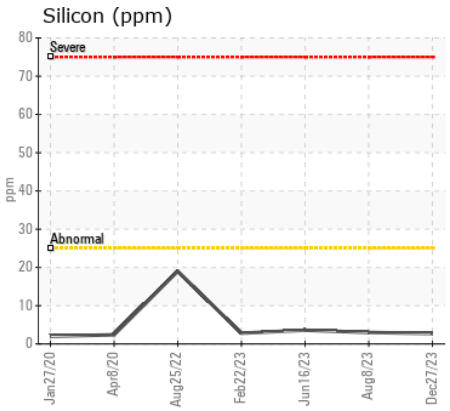


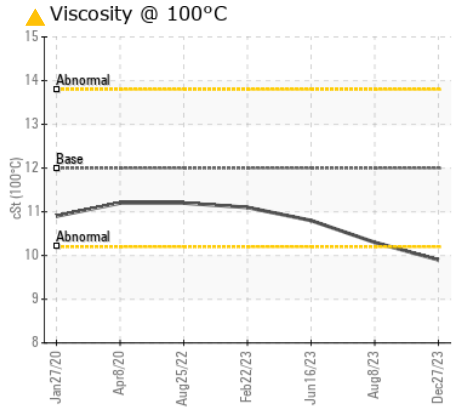


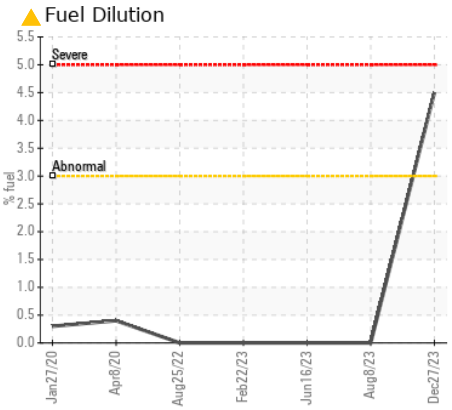












ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: GFL0103659	**Recieved**	: 05 Jan 2024
Lab Number	: 02606731	**Diagnosed**	: 08 Jan 2024
Unique Number	: 5707817	**Diagnostician**	: Kevin Marson
Test Package	: MOB 1 (Additional Tests: FuelDilution, PercentFuel)		

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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