MOB I LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
401163
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.

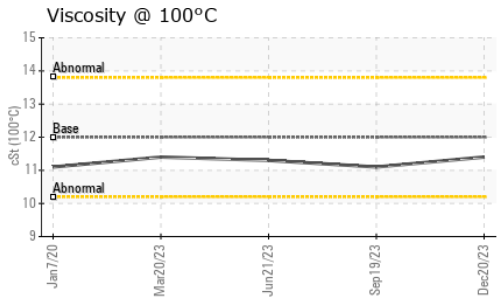
CONTAMINATION

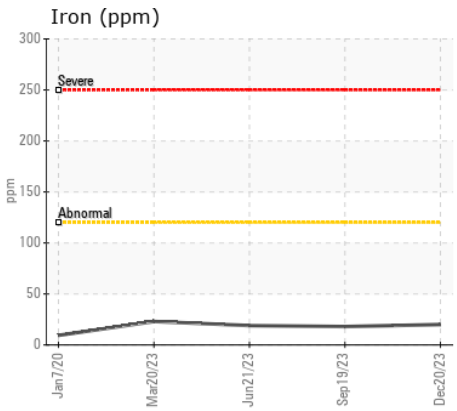
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n`y a aucun indice de contamination dans l'huile.

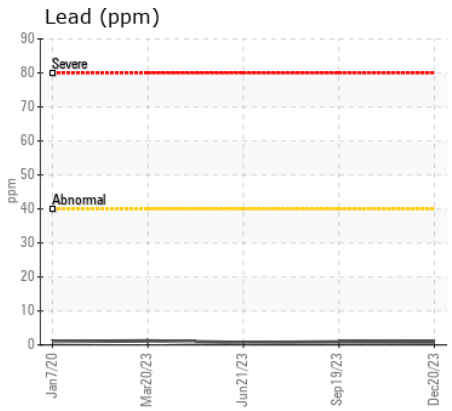
FLUID CONDITION

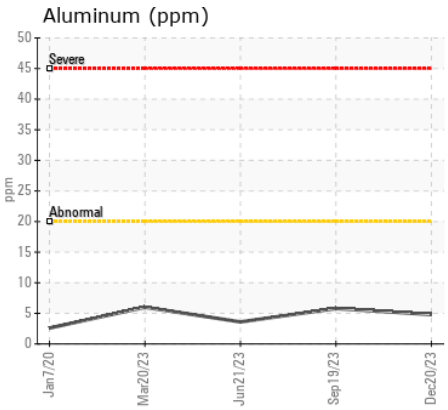
L'état de l'huile est acceptable pour la durée de service.

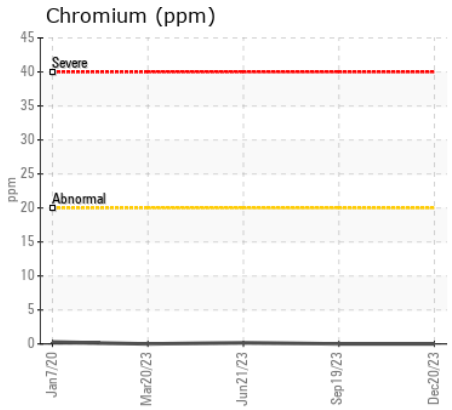
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**GFL0103657**	GFL0088904	GFL0084472
Sample Date		Client Info		**20 Dec 2023**	19 Sep 2023	21 Jun 2023
Machine Age	kms	Client Info		**314784**	296610	9019
Oil Age	kms	Client Info		**0**	0	600
Filter Age	kms	Client Info		**0**	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	**20**	18	19
Chromium	ppm	ASTM D5185(m)	>20	**0**	0	<1
Nickel	ppm	ASTM D5185(m)	>5	**<1**	0	<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**	6	4
Lead	ppm	ASTM D5185(m)	>40	**<1**	<1	<1
Copper	ppm	ASTM D5185(m)	>330	**6**	5	8
Tin	ppm	ASTM D5185(m)	>15	**<1**	0	<1
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Silicon	ppm	ASTM D5185(m)	>25	**3**	3	4
Potassium	ppm	ASTM D5185(m)	>20	**8**	13	6
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	**0.1**	0.2	0.2
Nitration	Abs/cm	ASTM D7624*	>20	**7.3**	7.1	7.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	**19.0**	19.7	19.7
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185(m)		**3**	4	3
Boron	ppm	ASTM D5185(m)	2	**2**	2	4
Barium	ppm	ASTM D5185(m)	0	**0**	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	**56**	58	59
Manganese	ppm	ASTM D5185(m)	0	**0**	0	<1
Magnesium	ppm	ASTM D5185(m)	950	**934**	945	963
Calcium	ppm	ASTM D5185(m)	1050	**1077**	1110	1068
Phosphorus	ppm	ASTM D5185(m)	995	**976**	1007	1046
Zinc	ppm	ASTM D5185(m)	1180	**1170**	1187	1185
Sulfur	ppm	ASTM D5185(m)	2600	**2674**	2475	2437
Oxidation	Abs/.1mm	ASTM D7414*	>25	**14.7**	15.2	15.7
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	**11.4**	11.1	11.3

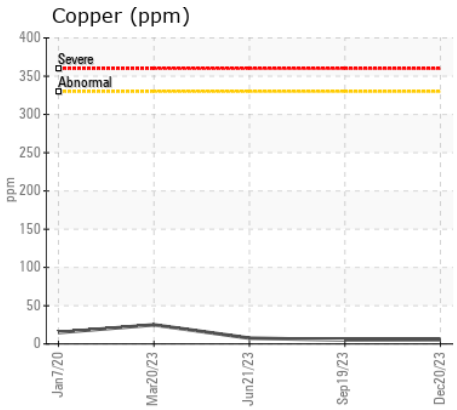


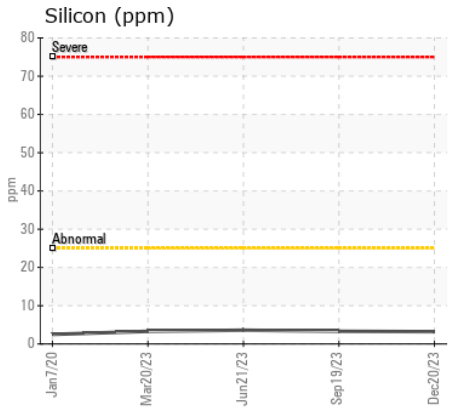


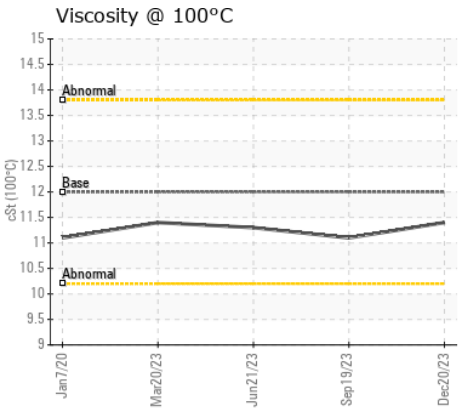


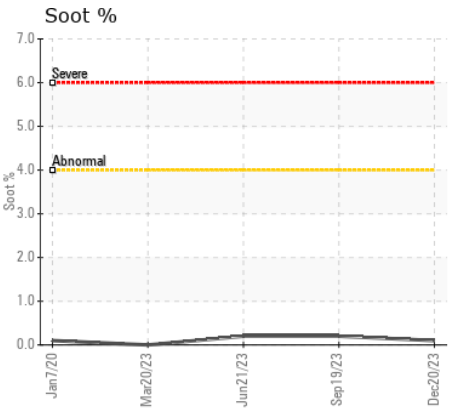












ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: GFL0103657	**Recieved**	: 05 Jan 2024
Lab Number	: 02606764	**Diagnosed**	: 05 Jan 2024
Unique Number	: 5707850	**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.

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