



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
811040
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 15W40 (--- GAL)

RECOMMENDATION

Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0107618	GFL0107593	GFL0096344
Sample Date		Client Info		04 Apr 2024	28 Feb 2024	17 Oct 2023
Machine Age	hrs	Client Info		5449	5294	4718
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				NORMAL	ABNORMAL	NORMAL

WEAR

Les taux d'usure de tous les composants sont normaux.

Iron	ppm	ASTM D5185(m)	>200	8	25	13
Chromium	ppm	ASTM D5185(m)	>20	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	0	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>30	2	4	3
Lead	ppm	ASTM D5185(m)	>30	0	0	<1
Copper	ppm	ASTM D5185(m)	>30	<1	2	1
Tin	ppm	ASTM D5185(m)	>15	0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

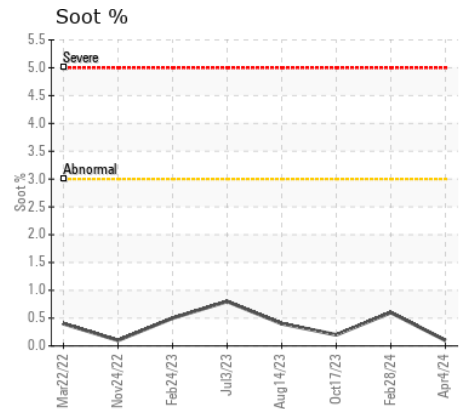
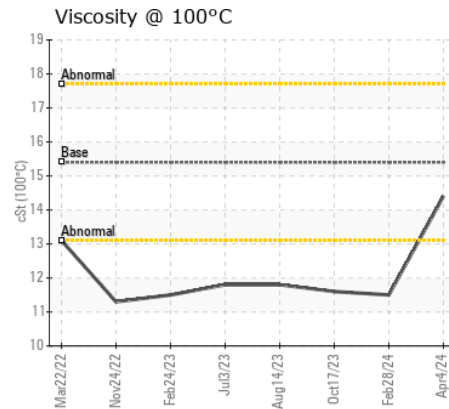
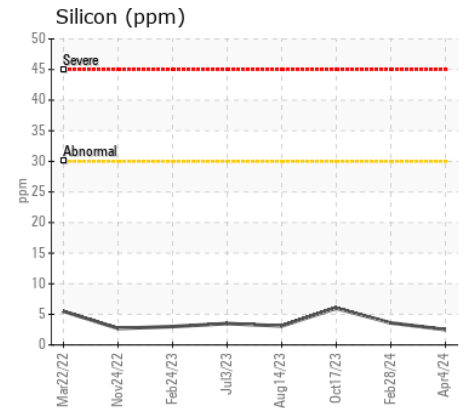
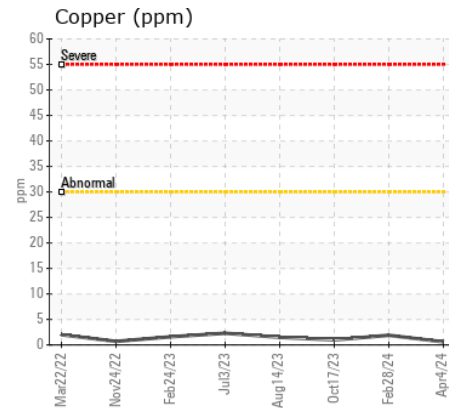
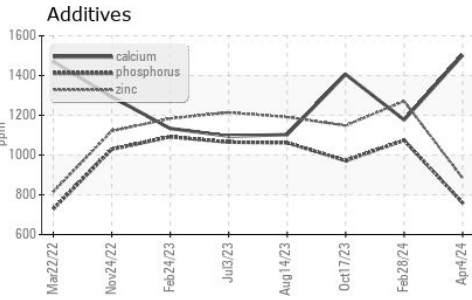
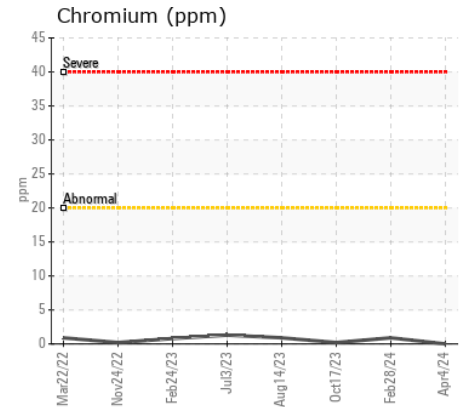
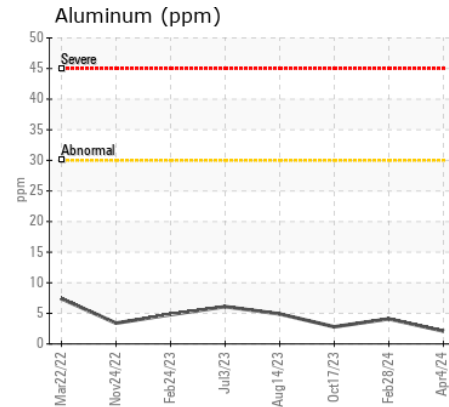
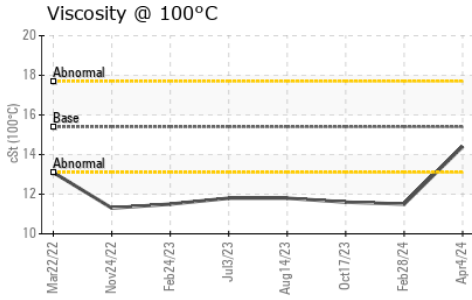
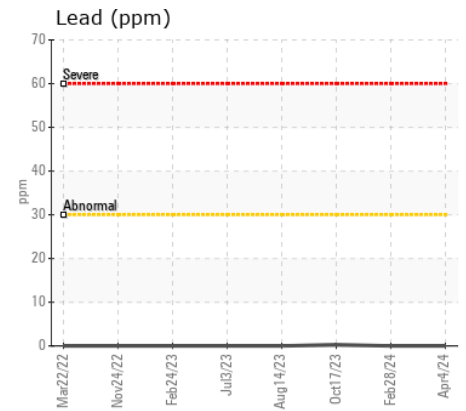
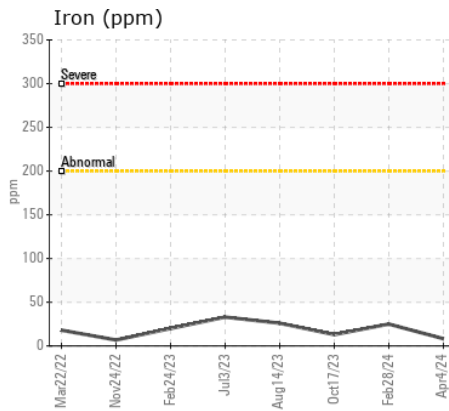
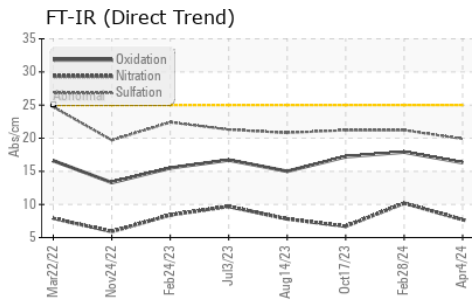
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>30	2	4	6
Potassium	ppm	ASTM D5185(m)	>20	<1	4	4
Fuel		WC Method	>3.0	<1.0	0.5	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.1	0.6	0.2
Nitration	Abs/cm	ASTM D7624*	>20	7.7	10.2	6.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.9	21.2	21.2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		3	2	2
Boron	ppm	ASTM D5185(m)	0	30	1	35
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	49	65	56
Manganese	ppm	ASTM D5185(m)	0	<1	0	0
Magnesium	ppm	ASTM D5185(m)	1010	602	1058	681
Calcium	ppm	ASTM D5185(m)	1070	1502	1177	1406
Phosphorus	ppm	ASTM D5185(m)	1150	760	1074	972
Zinc	ppm	ASTM D5185(m)	1270	884	1271	1148
Sulfur	ppm	ASTM D5185(m)	2060	2018	2772	2481
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.3	17.9	17.2
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	14.4	▲ 11.5	11.6



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 747 - GMA - Solid Waste**
Sample No. : GFL0107618 **Received** : 15 Apr 2024 **4 Chemin du Tremblay,**
Lab Number : 02628669 **Tested** : 15 Apr 2024 **Boucherville, QC**
Unique Number : 5761801 **Diagnosed** : 15 Apr 2024 - Kevin Marson **CA J4B 6Z5**
Test Package : MOB 1 **Contact:** Steve Voyer
svoyer@matrec.ca

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.