



Machine Id
711030
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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0103770	GFL0088867	GFL0088851
Sample Date		Client Info		08 Feb 2024	10 Nov 2023	08 Jul 2023
Machine Age	hrs	Client Info		6452	0	119528
Oil Age	hrs	Client Info		600	600	0
Filter Age	hrs	Client Info		600	600	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				MARGINAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>120	17	4	8
Chromium	ppm	ASTM D5185(m)	>20	<1	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	4	2	4
Lead	ppm	ASTM D5185(m)	>40	2	<1	<1
Copper	ppm	ASTM D5185(m)	>330	2	1	2
Tin	ppm	ASTM D5185(m)	>15	<1	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

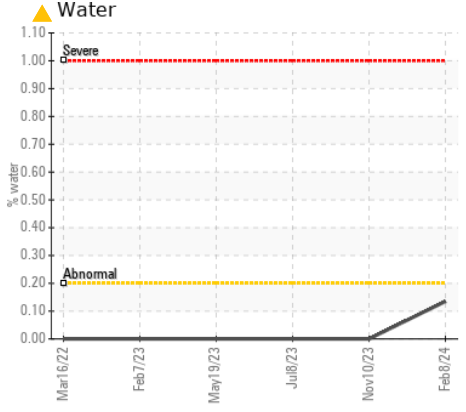
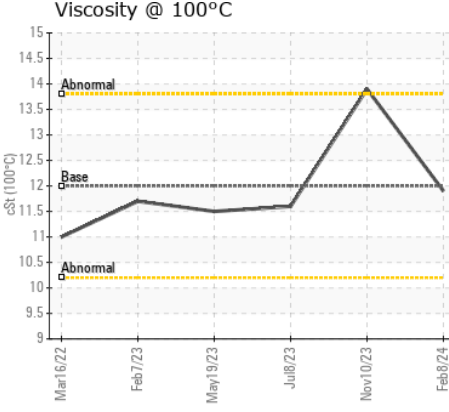
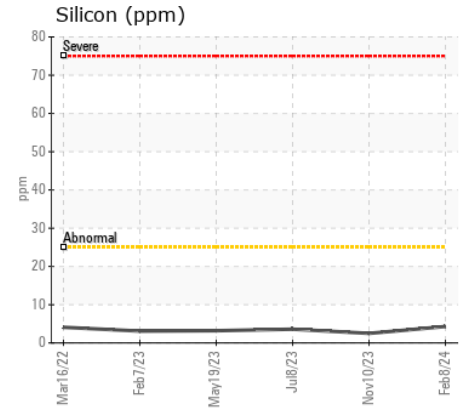
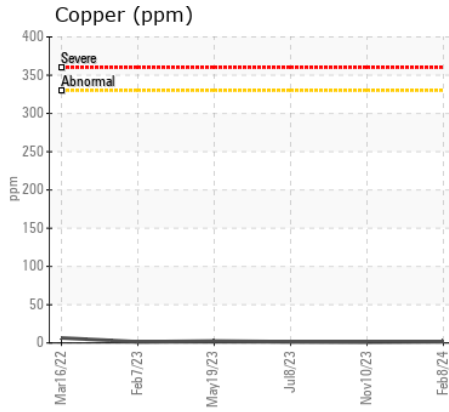
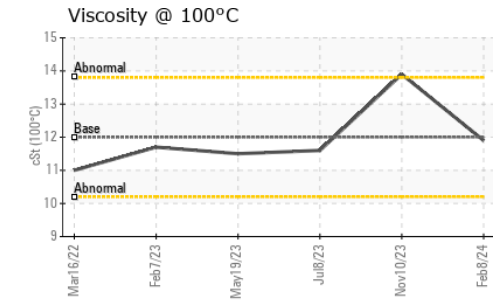
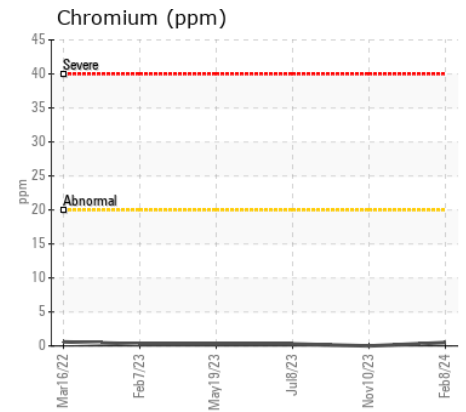
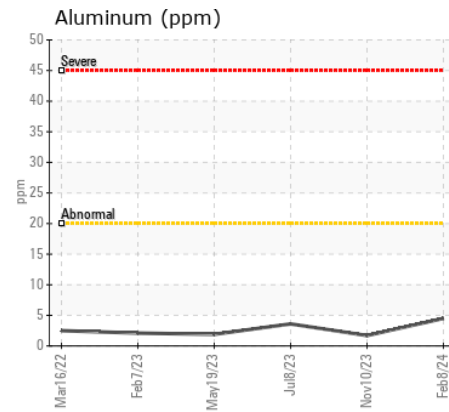
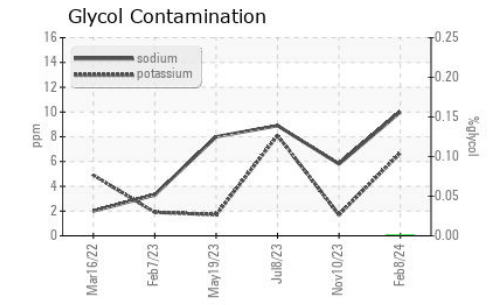
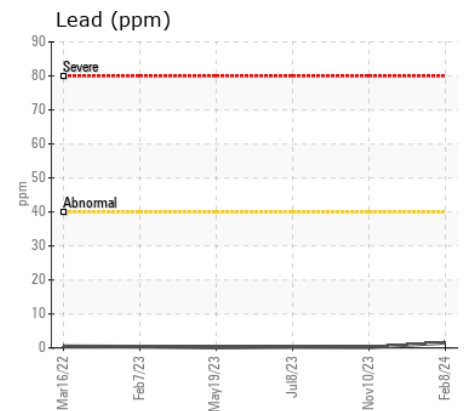
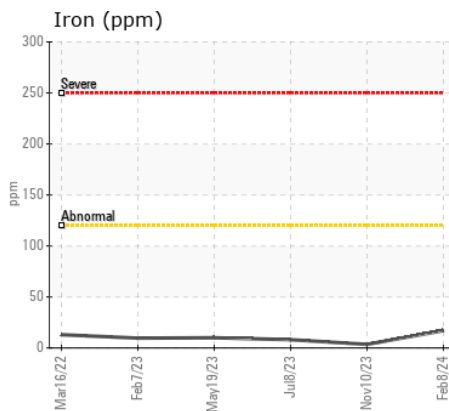
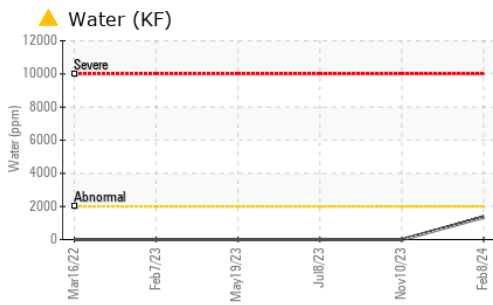
Il y a une trace d'humidité dans l'huile. Le test de glycol est négatif.

Silicon	ppm	ASTM D5185(m)	>25	4	2	4
Potassium	ppm	ASTM D5185(m)	>20	7	2	8
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water	%	ASTM D6304*	>0.2	▲ 0.135	---	---
ppm Water	ppm	ASTM D6304*	>2000	▲ 1353	---	---
Glycol	%	ASTM D7922*		0.0	NEG	NEG
Soot %	%	ASTM D7844*	>4	0.4	0.1	0.2
Nitration	Abs/cm	ASTM D7624*	>20	10.6	5.8	8.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.2	18.4	21.0
Emulsified Water	scalar	Visual*	>0.2	▲ .2%	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		10	6	9
Boron	ppm	ASTM D5185(m)	2	1	3	2
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	60	58	60
Manganese	ppm	ASTM D5185(m)	0	0	0	<1
Magnesium	ppm	ASTM D5185(m)	950	985	962	1001
Calcium	ppm	ASTM D5185(m)	1050	1176	1058	1068
Phosphorus	ppm	ASTM D5185(m)	995	1004	983	1032
Zinc	ppm	ASTM D5185(m)	1180	1207	1150	1194
Sulfur	ppm	ASTM D5185(m)	2600	2239	2638	2342
Oxidation	Abs/.1mm	ASTM D7414*	>25	19.0	13.9	15.9
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.9	13.9	11.6



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0103770
Lab Number : 02615872
Unique Number : 5732982
Test Package : MOB 1 (Additional Tests: Glycol, KF)
Received : 15 Feb 2024
Tested : 16 Feb 2024
Diagnosed : 16 Feb 2024 - Kevin Marson

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:

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.