



Machine Id
801090
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 15W40 (--- 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		GFL0107404	GFL0080331	GFL0063068
Sample Date		Client Info		13 Feb 2024	25 Aug 2023	28 Feb 2023
Machine Age	kms	Client Info		307889	280858	11003
Oil Age	kms	Client Info		600	600	600
Filter Age	kms	Client Info		600	600	600
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>90	45	30	39
Chromium	ppm	ASTM D5185(m)	>20	3	2	2
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	<1	<1	<1
Silver	ppm	ASTM D5185(m)	>2	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	16	10	12
Lead	ppm	ASTM D5185(m)	>40	0	<1	4
Copper	ppm	ASTM D5185(m)	>330	8	18	172
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

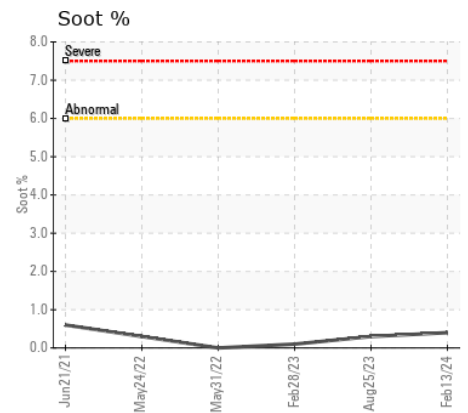
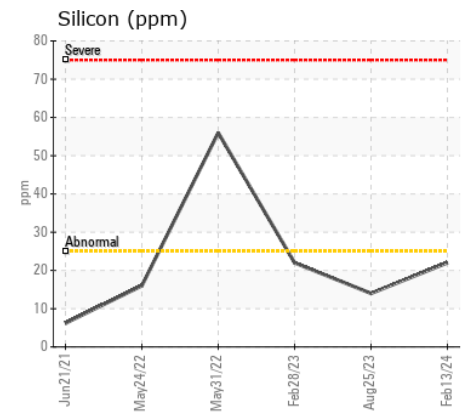
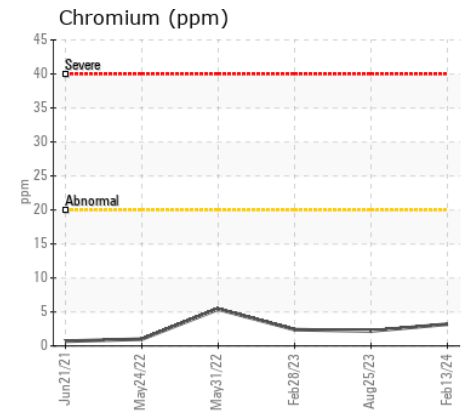
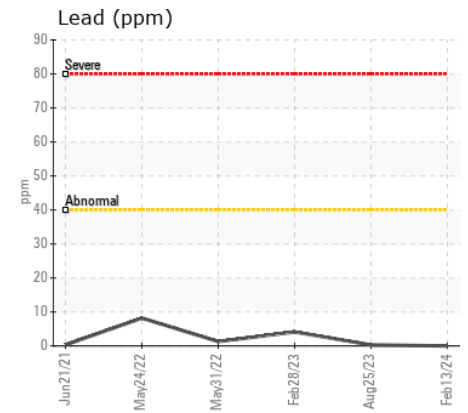
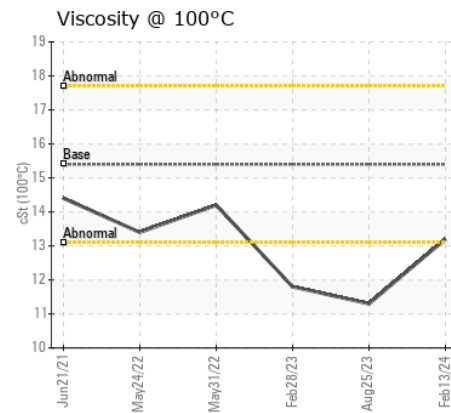
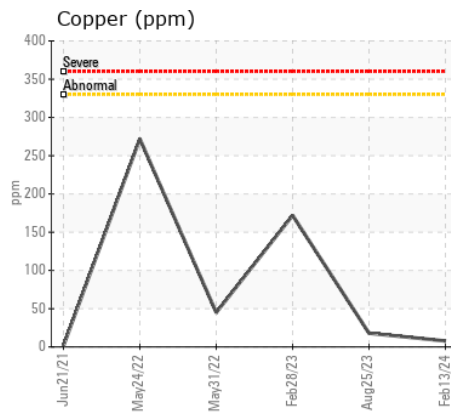
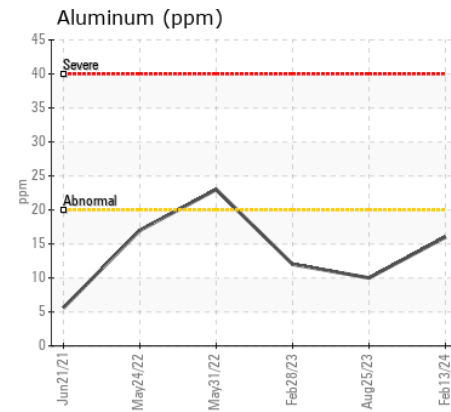
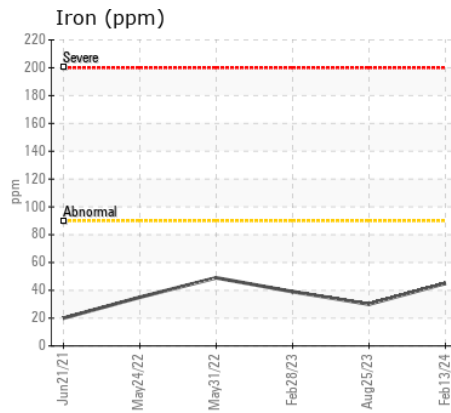
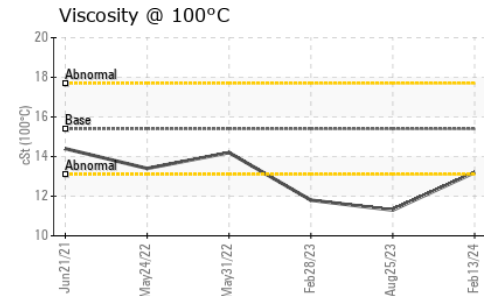
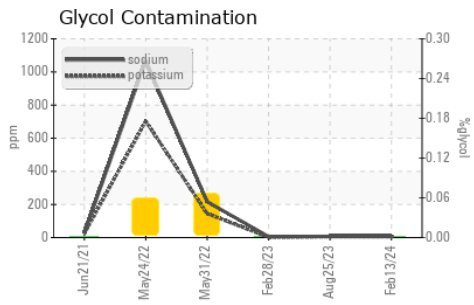
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	22	14	22
Potassium	ppm	ASTM D5185(m)	>20	6	6	2
Fuel		WC Method	>3.0	<1.0	▲ 1.2	0.8
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	0.0	0.0
Soot %	%	ASTM D7844*	>6	0.4	0.3	0.1
Nitration	Abs/cm	ASTM D7624*	>20	9.8	8.5	8.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.6	19.7	21.4
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		8	7	6
Boron	ppm	ASTM D5185(m)	0	4	6	15
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	62	61	46
Manganese	ppm	ASTM D5185(m)	0	0	<1	3
Magnesium	ppm	ASTM D5185(m)	1010	1015	977	694
Calcium	ppm	ASTM D5185(m)	1070	1089	1055	1490
Phosphorus	ppm	ASTM D5185(m)	1150	1015	1056	1028
Zinc	ppm	ASTM D5185(m)	1270	1243	1214	1187
Sulfur	ppm	ASTM D5185(m)	2060	2454	2495	2512
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.3	15.4	15.3
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	13.2	▲ 11.3	▲ 11.8



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0107404
Lab Number : 02625131
Unique Number : 5750250
Test Package : MOB 1 (Additional Tests: Glycol)

Received : 28 Mar 2024
Tested : 28 Mar 2024
Diagnosed : 28 Mar 2024 - Wes Davis

GFL Environmental - 730 - Chicoutimi - Hauling
 3199 Boul. Talbot
 Chicoutimi, QC
 CA G7H 5B1
 Contact: Yan Houde
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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.