



Machine Id
811019
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 15W40 (--- GAL)

RECOMMENDATION

Aucune mesure corrective n'est recommandée pour l'instant.
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		GFL0096620	GFL0096642	GFL0080313
Sample Date		Client Info		23 Jan 2024	05 Oct 2023	19 Apr 2023
Machine Age	kms	Client Info		110711	0	79959
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				ABNORMAL	NORMAL	ABNORMAL

WEAR

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Iron	ppm	ASTM D5185(m)	>120	12	14	15
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	8	2	4
Lead	ppm	ASTM D5185(m)	>40	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>330	<1	2	2
Tin	ppm	ASTM D5185(m)	>15	<1	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

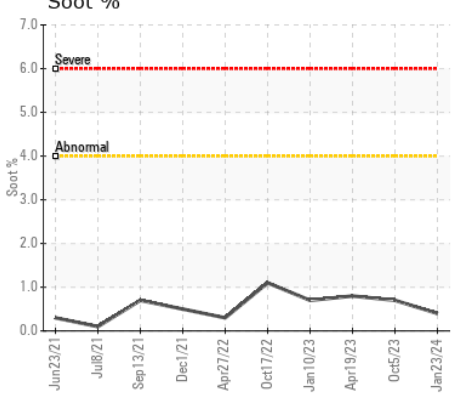
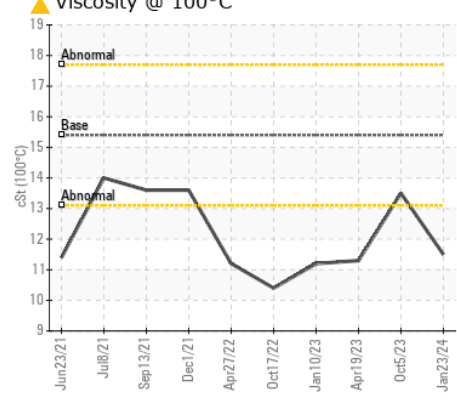
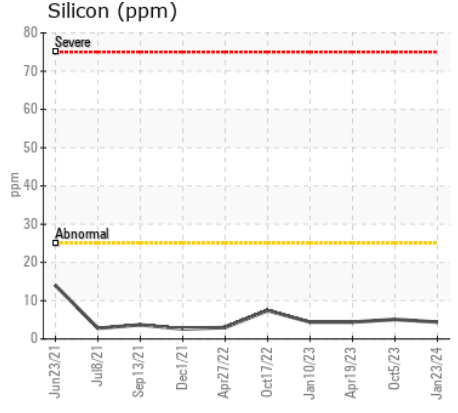
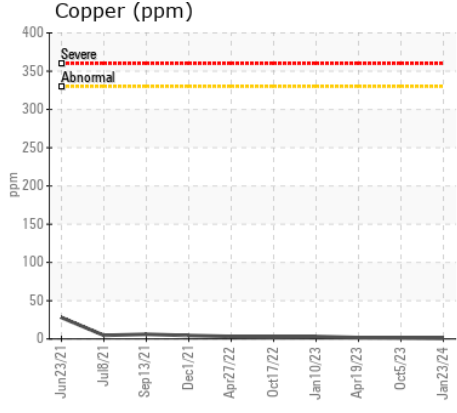
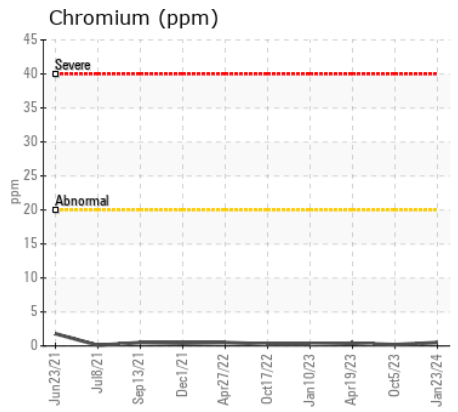
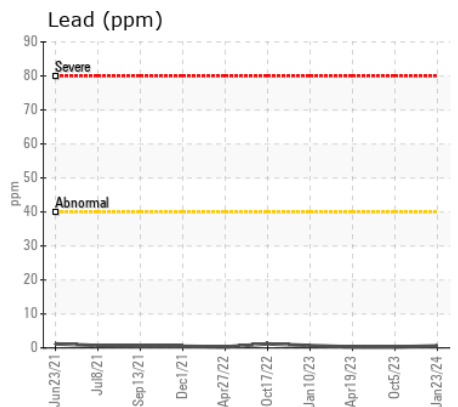
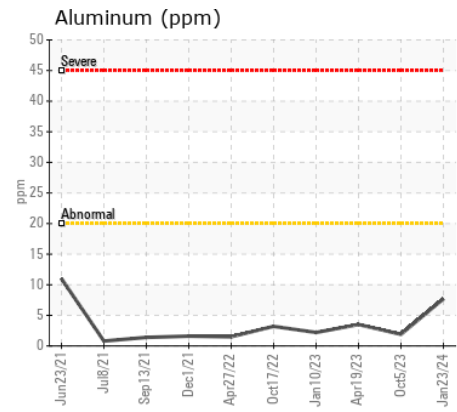
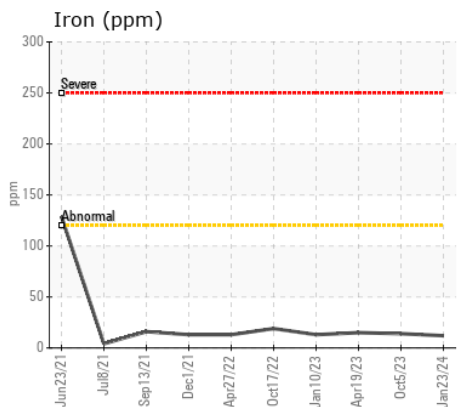
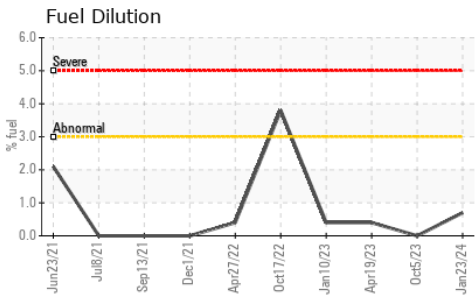
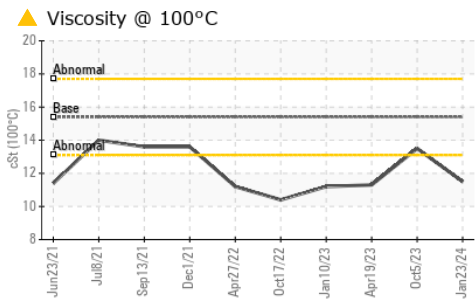
La teneur en carburant est négligeable. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	4	5	4
Potassium	ppm	ASTM D5185(m)	>20	2	<1	1
Fuel	%	ASTM D7593*	>3.0	0.7	<1.0	0.4
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>4	0.4	0.7	0.8
Nitration	Abs/cm	ASTM D7624*	>20	8.4	8.4	9.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.7	20.7	21.1
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

La viscosité de l'échantillon se situe dans la portée de l'SAE 30; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		7	4	4
Boron	ppm	ASTM D5185(m)	0	4	4	7
Barium	ppm	ASTM D5185(m)	0	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	60	47	61	61
Manganese	ppm	ASTM D5185(m)	0	0	0	<1
Magnesium	ppm	ASTM D5185(m)	1010	745	943	930
Calcium	ppm	ASTM D5185(m)	1070	1274	1054	1138
Phosphorus	ppm	ASTM D5185(m)	1150	932	913	1017
Zinc	ppm	ASTM D5185(m)	1270	1103	1163	1153
Sulfur	ppm	ASTM D5185(m)	2060	2516	2189	2287
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.7	15.6	16.2
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	▲ 11.5	13.5	▲ 11.3



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0096620
Lab Number : 02616867
Unique Number : 5733977
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)
Received : 21 Feb 2024
Tested : 22 Feb 2024
Diagnosed : 22 Feb 2024 - Kevin Marson

GFL Environmental - 730 - Chicoutimi - Hauling
 3199 Boul. Talbot
 Chicoutimi, QC
 CA G7H 5B1
 Contact: Yan Houde
 yhoude@matrec.ca
 T: (418)549-8074
 F: (418)549-7973

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.