



Machine Id
901043
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 15W40 (--- GAL)

RECOMMENDATION

Nous vous recommandons de vérifier le système d'injection de carburant. Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0107397	GFL0096663	GFL0080355
Sample Date		Client Info		27 Mar 2024	07 Dec 2023	20 Sep 2023
Machine Age	kms	Client Info		438064	423724	407983
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				SEVERE	ABNORMAL	ABNORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>120	10	11	10
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	0	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	15	9	6
Lead	ppm	ASTM D5185(m)	>40	0	<1	<1
Copper	ppm	ASTM D5185(m)	>330	2	2	2
Tin	ppm	ASTM D5185(m)	>15	0	1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

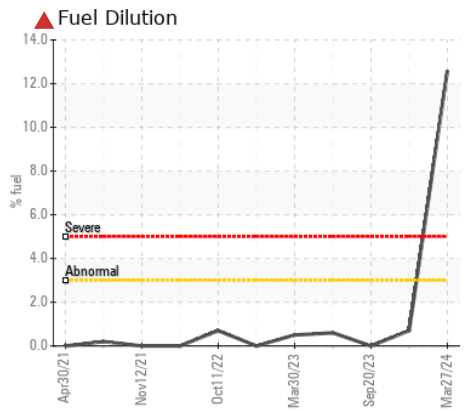
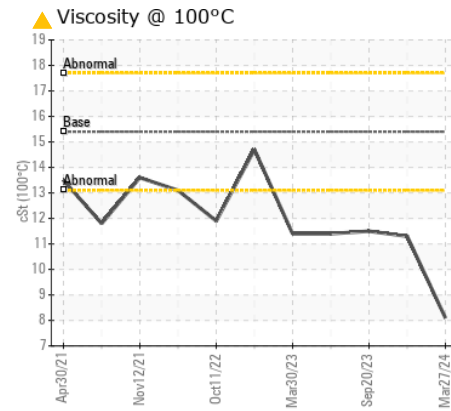
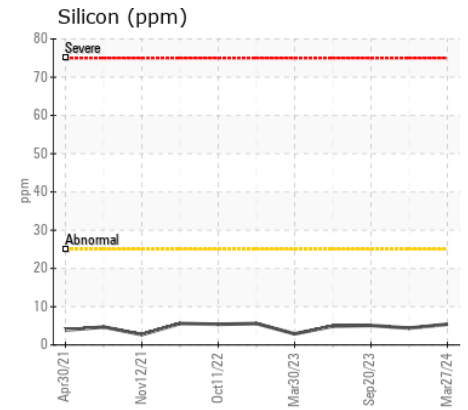
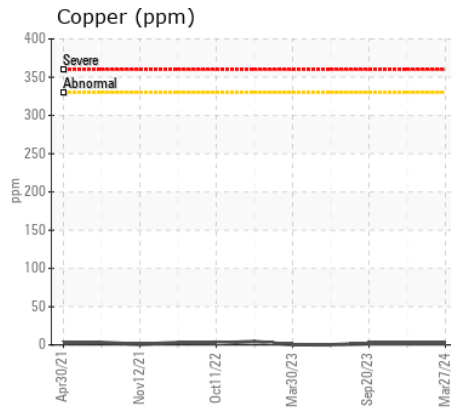
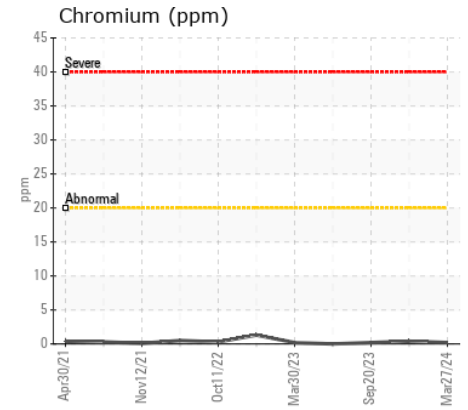
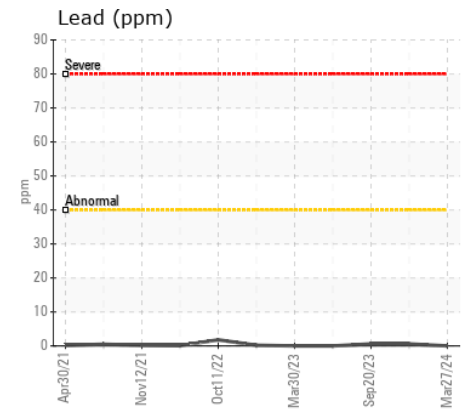
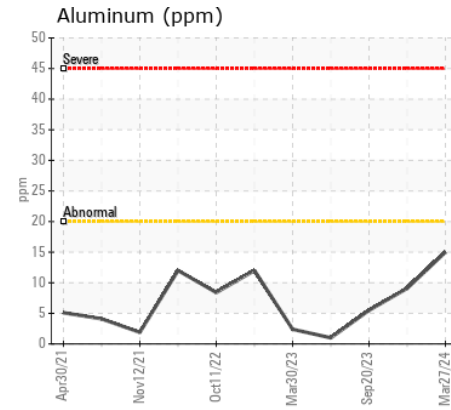
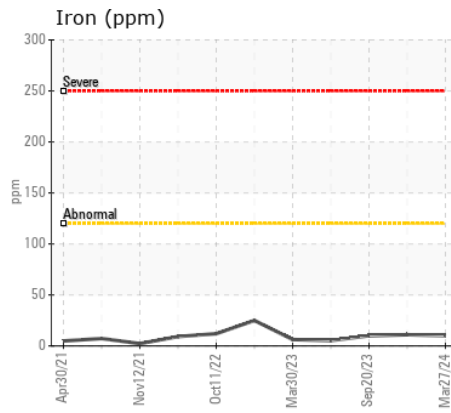
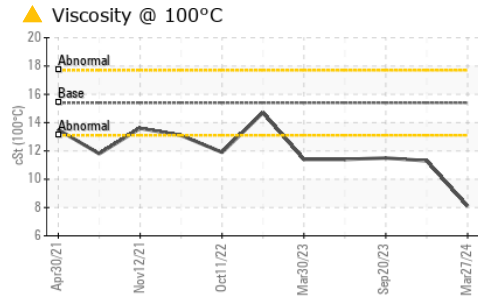
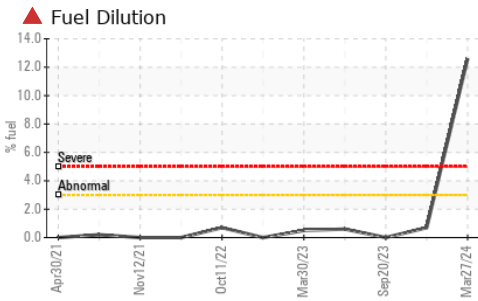
Quantité élevée de carburant dans l'huile. Les tests confirment la présence de carburant dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	5	4	5
Potassium	ppm	ASTM D5185(m)	>20	2	1	2
Fuel	%	ASTM D7593*	>3.0	▲ 12.6	0.7	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>4	0.3	0.7	1
Nitration	Abs/cm	ASTM D7624*	>20	8.9	9.0	9.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.9	20.2	21.4
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

Il y a du carburant dans l'huile, ce qui réduit la viscosité. L'huile ne peut plus être utilisée en raison de la présence de contaminants.

Sodium	ppm	ASTM D5185(m)		5	4	4
Boron	ppm	ASTM D5185(m)	0	6	5	5
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	55	61	60
Manganese	ppm	ASTM D5185(m)	0	0	0	0
Magnesium	ppm	ASTM D5185(m)	1010	783	952	938
Calcium	ppm	ASTM D5185(m)	1070	1007	1055	1041
Phosphorus	ppm	ASTM D5185(m)	1150	853	964	922
Zinc	ppm	ASTM D5185(m)	1270	1047	1159	1156
Sulfur	ppm	ASTM D5185(m)	2060	2129	2469	2204
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.6	15.9	15.8
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	▲ 8.1	▲ 11.3	▲ 11.5



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0107397
Lab Number : 02625132
Unique Number : 5750251
Test Package : MOB 1 (Additional Tests: FUELDILUTION, PercentFuel)
Received : 28 Mar 2024
Tested : 01 Apr 2024
Diagnosed : 01 Apr 2024 - Wes Davis

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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.