



Machine Id
4650
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION

Nous vous recommandons de vérifier la source de la fuite de fluide de refroidissement. 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		GFL0103767	GFL0097105	PC0022179
Sample Date		Client Info		12 Feb 2024	25 Oct 2023	16 Apr 2020
Machine Age	hrs	Client Info		18421	483159	0
Oil Age	hrs	Client Info		600	0	0
Filter Age	hrs	Client Info		600	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>75	10	26	19
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	0	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>15	4	5	7
Lead	ppm	ASTM D5185(m)	>25	1	<1	0
Copper	ppm	ASTM D5185(m)	>100	26	1	1
Tin	ppm	ASTM D5185(m)	>4	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	<1
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

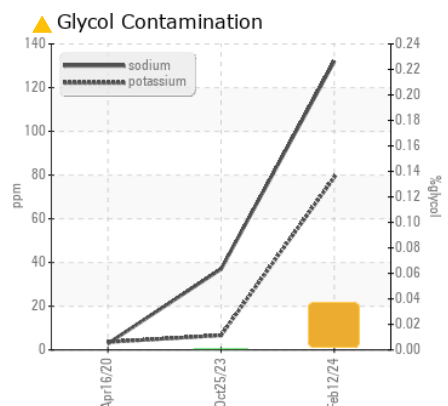
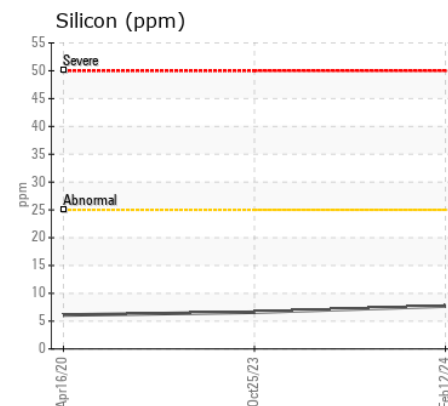
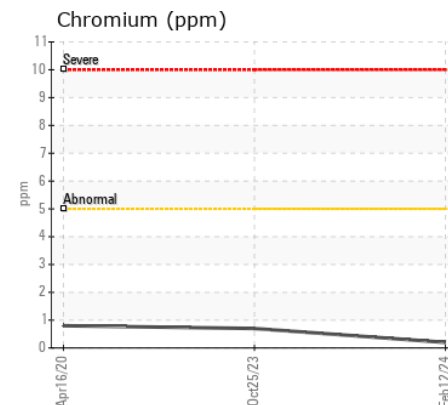
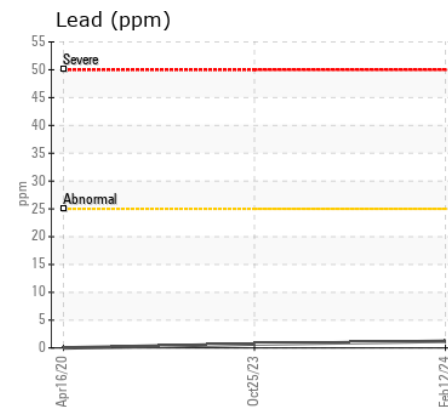
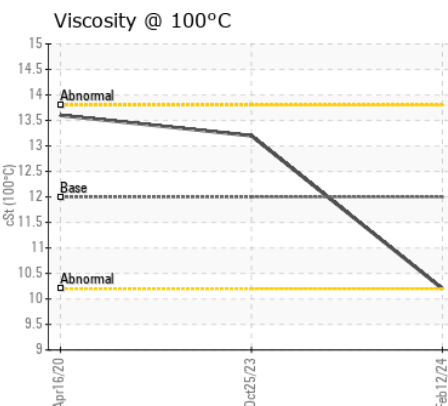
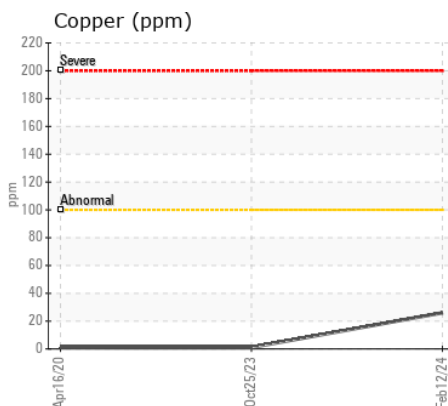
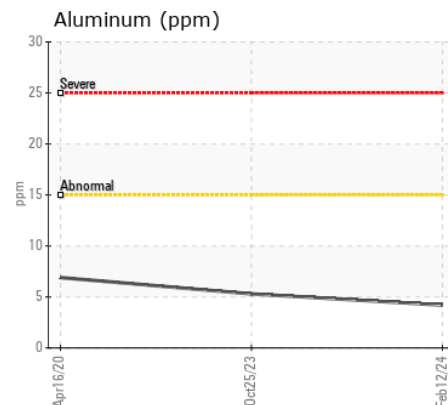
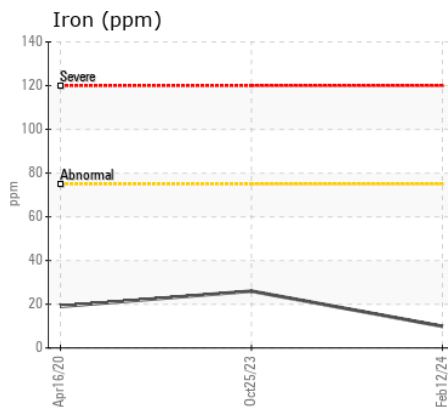
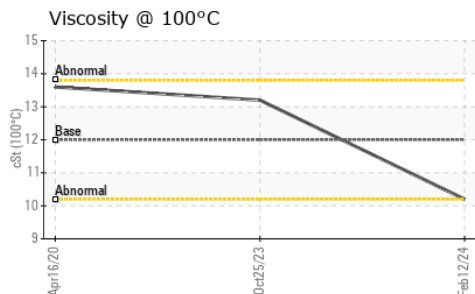
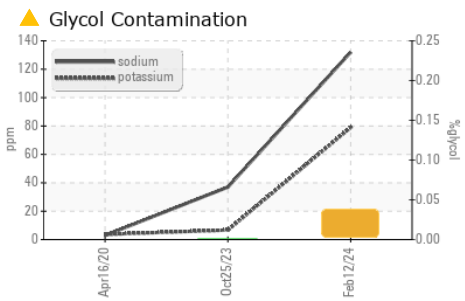
Le test de glycol est positif. Il y a une légère concentration de glycol dans le l'huile.

Silicon	ppm	ASTM D5185(m)	>25	8	7	6
Potassium	ppm	ASTM D5185(m)	>20	▲ 79	7	4
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		▲ 0.037	0.0	NEG
Soot %	%	ASTM D7844*	>6	0.1	0.6	0.5
Nitration	Abs/cm	ASTM D7624*	>20	8.0	12.0	11.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.3	24.5	29.3
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

L'huile ne peut plus être utilisée en raison de la présence de contaminants.

Sodium	ppm	ASTM D5185(m)		▲ 132	37	3
Boron	ppm	ASTM D5185(m)	2	5	16	203
Barium	ppm	ASTM D5185(m)	0	0	<1	<1
Molybdenum	ppm	ASTM D5185(m)	50	261	94	119
Manganese	ppm	ASTM D5185(m)	0	0	0	<1
Magnesium	ppm	ASTM D5185(m)	950	952	228	680
Calcium	ppm	ASTM D5185(m)	1050	1078	2174	1587
Phosphorus	ppm	ASTM D5185(m)	995	1193	1048	722
Zinc	ppm	ASTM D5185(m)	1180	1193	1272	870
Sulfur	ppm	ASTM D5185(m)	2600	3076	3118	2263
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.2	19.4	20.7
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	10.2	13.2	13.6



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0103767
Lab Number : 02615870
Unique Number : 5732980
Test Package : MOB 1 (Additional Tests: Glycol, Visual)

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.