



OIL ANALYSIS REPORT

Sample Rating Trend

GLYCOL



Area
(L953438)
 Machine Id
824037
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)



DIAGNOSIS

▲ 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.

Wear

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

▲ Contamination

Le test de glycol est positif. Concentration élevée de glycol dans l'huile.

● Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0081650	---	---
Sample Date	Client Info		29 Apr 2024	---	---
Machine Age	hrs	Client Info	17673	---	---
Oil Age	hrs	Client Info	600	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			SEVERE	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	---	---
Water	WC Method	>0.2	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >80	67	---	---
Chromium	ppm	ASTM D5185(m) >5	1	---	---
Nickel	ppm	ASTM D5185(m) >2	0	---	---
Titanium	ppm	ASTM D5185(m)	<1	---	---
Silver	ppm	ASTM D5185(m) >3	0	---	---
Aluminum	ppm	ASTM D5185(m) >30	5	---	---
Lead	ppm	ASTM D5185(m) >30	0	---	---
Copper	ppm	ASTM D5185(m) >150	5	---	---
Tin	ppm	ASTM D5185(m) >5	0	---	---
Antimony	ppm	ASTM D5185(m)	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 2	34	---	---
Barium	ppm	ASTM D5185(m) 0	<1	---	---
Molybdenum	ppm	ASTM D5185(m) 50	89	---	---
Manganese	ppm	ASTM D5185(m) 0	<1	---	---
Magnesium	ppm	ASTM D5185(m) 950	880	---	---
Calcium	ppm	ASTM D5185(m) 1050	1094	---	---
Phosphorus	ppm	ASTM D5185(m) 995	965	---	---
Zinc	ppm	ASTM D5185(m) 1180	1159	---	---
Sulfur	ppm	ASTM D5185(m) 2600	2624	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

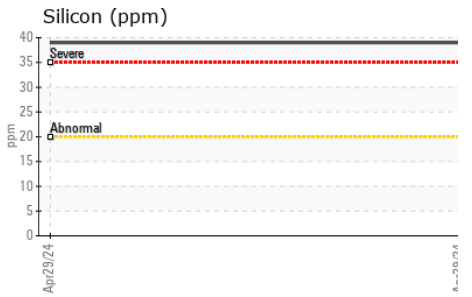
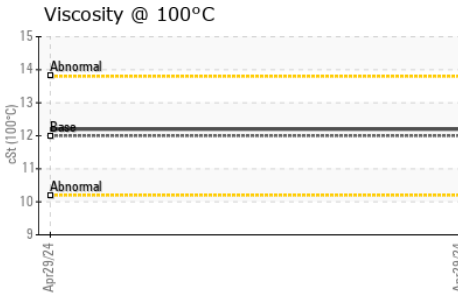
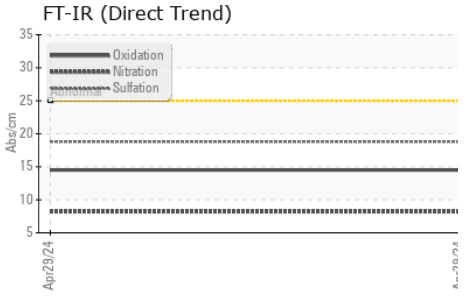
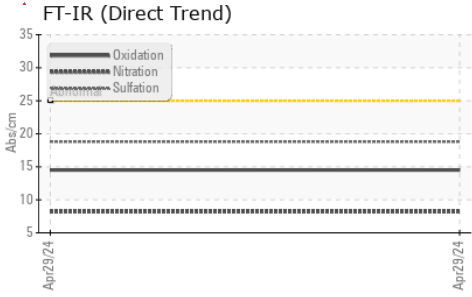
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >20	39	---	---
Sodium	ppm	ASTM D5185(m)	909	---	---
Potassium	ppm	ASTM D5185(m) >20	18	---	---
Glycol	%	ASTM D7922*	0.151	---	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	0.1	---	---
Nitration	Abs/cm	ASTM D7624* >20	8.2	---	---
Sulfation	Abs./1mm	ASTM D7415* >30	18.8	---	---



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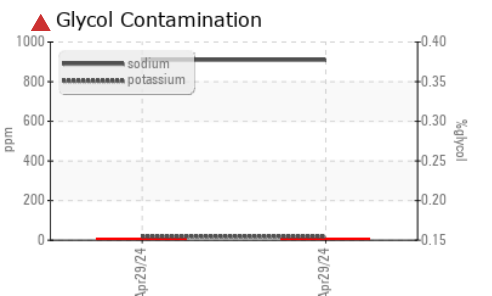
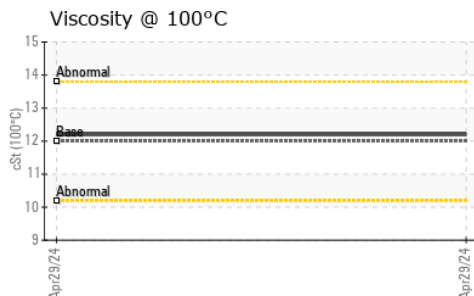
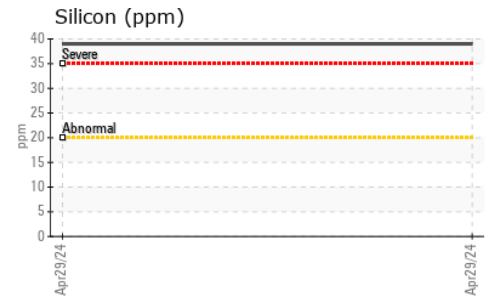
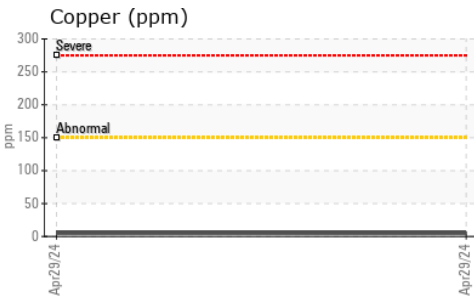
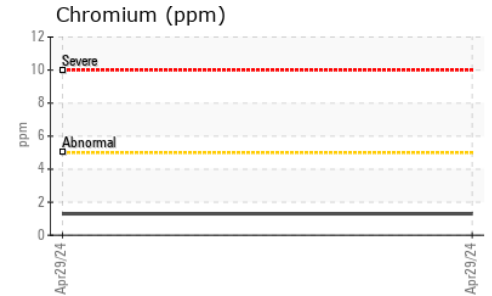
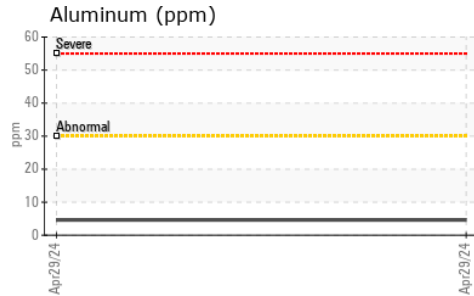
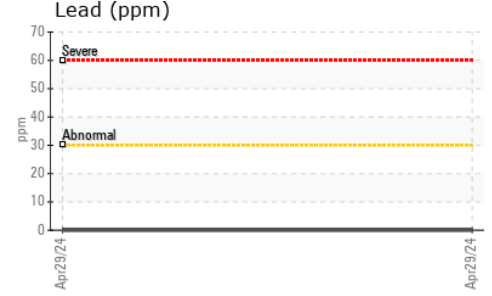
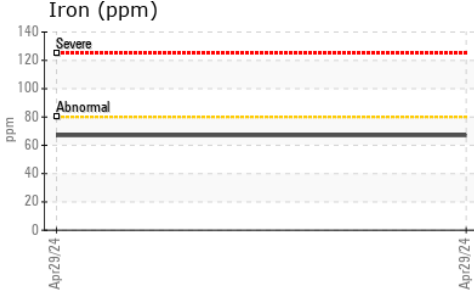


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	14.5	---	---

VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	12.2	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0081650 **Received** : 10 May 2024
Lab Number : **02634496** **Tested** : 10 May 2024
Unique Number : 5775649 **Diagnosed** : 10 May 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: Glycol)

GFL Environmental - 774
 169 Route 117
 Mont-Tremblant, QC
 CA J8E 1A1
 Contact: Stephane Filteau
 sfilteau@matrec.ca

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.