



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

Area

(L953436)

Machine Id

828117

Component

Diesel Engine

Fluid

PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION

Vérifier le niveau du fluide de refroidissement. Nous vous recommandons de vérifier le filtre à air, le système d'induction d'air et tout endroit où la saleté peut entrer dans le composant. Nous avons pris note que l'huile a été vidangée et le filtre remplacé 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		GFL0081652	---	---
Sample Date		Client Info		09 May 2024	---	---
Machine Age	hrs	Client Info		11544	---	---
Oil Age	hrs	Client Info		600	---	---
Filter Age	hrs	Client Info		600	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---

WEAR

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

Iron	ppm	ASTM D5185(m)	>100	17	---	---
Chromium	ppm	ASTM D5185(m)	>20	1	---	---
Nickel	ppm	ASTM D5185(m)	>4	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	6	---	---
Lead	ppm	ASTM D5185(m)	>40	0	---	---
Copper	ppm	ASTM D5185(m)	>330	6	---	---
Tin	ppm	ASTM D5185(m)	>15	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

Des produits de traitement de l'eau sont présents, ce qui indique une fuite lente de fluide de refroidissement. Concentration modérée de saleté dans l'huile. Le test de glycol est négatif.

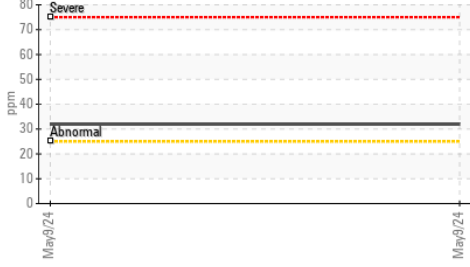
Silicon	ppm	ASTM D5185(m)	>25	▲ 32	---	---
Potassium	ppm	ASTM D5185(m)	>20	44	---	---
Fuel		WC Method	>5	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol	%	ASTM D7922*		0.0	---	---
Soot %	%	ASTM D7844*	>3	0.2	---	---
Nitration	Abs/cm	ASTM D7624*	>20	10.4	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.4	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

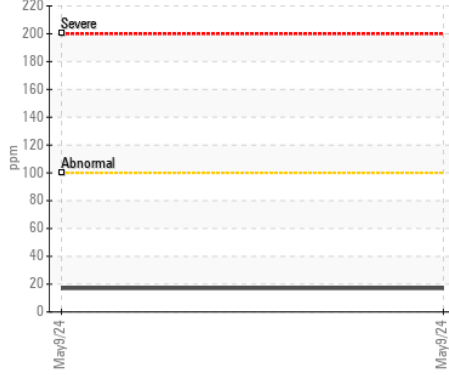
L'état de l'huile est acceptable pour la durée de service (voir recommandation). L'huile ne peut plus être utilisée en raison de la présence de contaminants.

Sodium	ppm	ASTM D5185(m)		● 2003	---	---
Boron	ppm	ASTM D5185(m)	2	33	---	---
Barium	ppm	ASTM D5185(m)	0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	50	131	---	---
Manganese	ppm	ASTM D5185(m)	0	<1	---	---
Magnesium	ppm	ASTM D5185(m)	950	932	---	---
Calcium	ppm	ASTM D5185(m)	1050	1015	---	---
Phosphorus	ppm	ASTM D5185(m)	995	946	---	---
Zinc	ppm	ASTM D5185(m)	1180	1134	---	---
Sulfur	ppm	ASTM D5185(m)	2600	2490	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.7	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.9	---	---

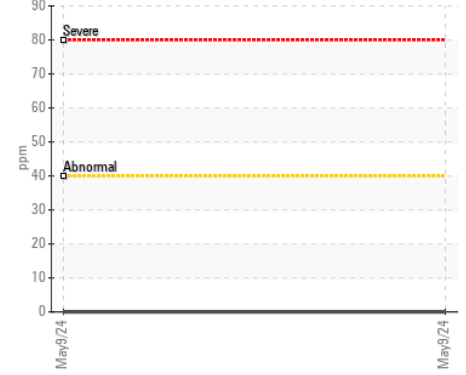
▲ Silicon (ppm)



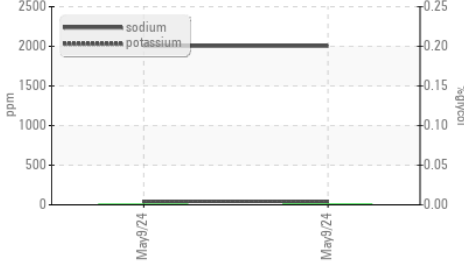
Iron (ppm)



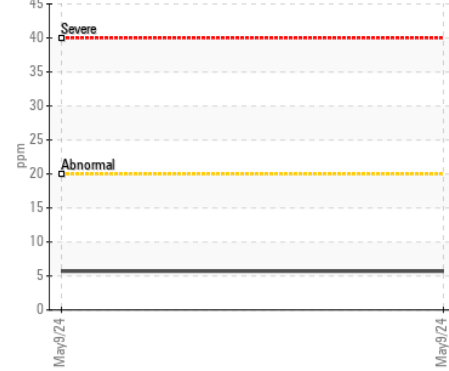
Lead (ppm)



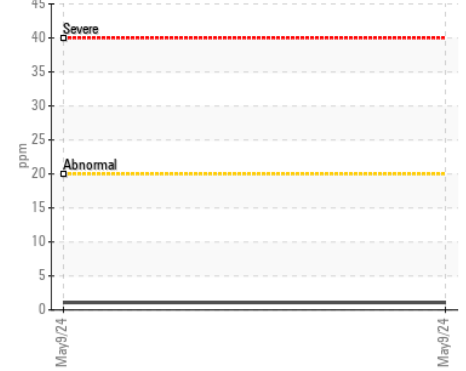
Glycol Contamination



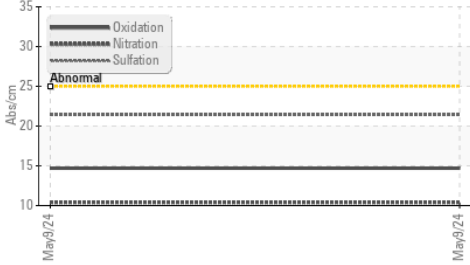
Aluminum (ppm)



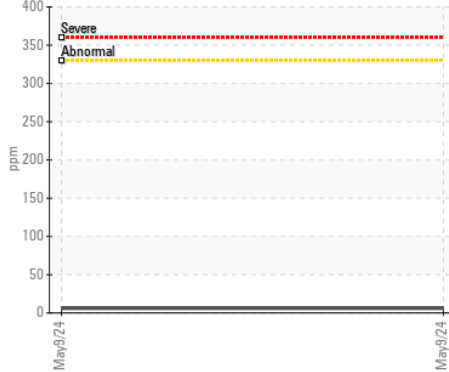
Chromium (ppm)



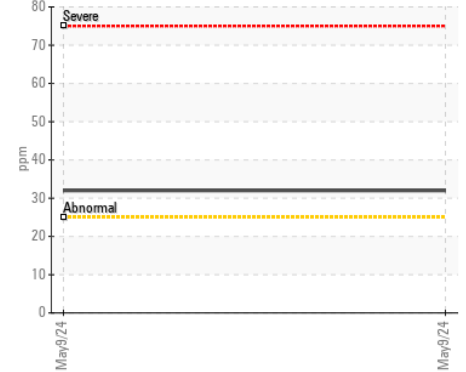
FT-IR (Direct Trend)



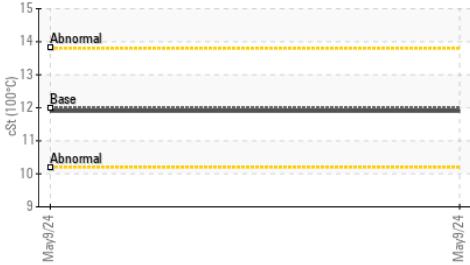
Copper (ppm)



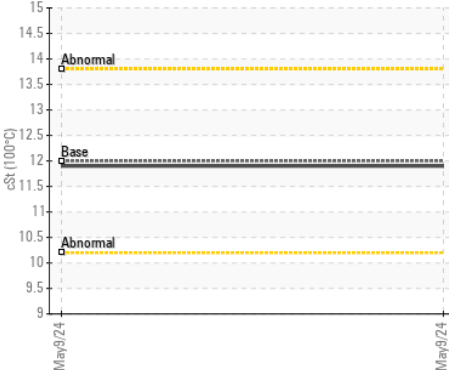
▲ Silicon (ppm)



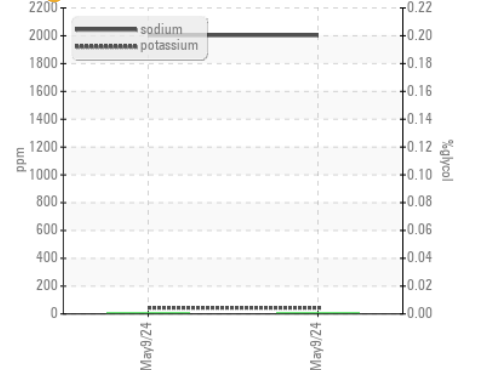
Viscosity @ 100°C



Viscosity @ 100°C



● Glycol Contamination



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0081652 **Received** : 10 May 2024
Lab Number : 02634497 **Tested** : 10 May 2024
Unique Number : 5775650 **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.

T:
F: