



Machine Id
9216
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION

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		GFL0111790	GFL0093650	GFL0063123
Sample Date		Client Info		09 Apr 2024	09 Jan 2024	22 Aug 2023
Machine Age	hrs	Client Info		19878	19275	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				SEVERE	SEVERE	ABNORMAL

WEAR

Usure de la soupape d'échappement.

Iron	ppm	ASTM D5185(m)	>120	24	44	67
Chromium	ppm	ASTM D5185(m)	>20	<1	1	<1
Nickel	ppm	ASTM D5185(m)	>5	▲ 13	▲ 13	▲ 8
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	7	7	7
Lead	ppm	ASTM D5185(m)	>40	<1	2	3
Copper	ppm	ASTM D5185(m)	>330	4	4	7
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

Il n'y a aucun indice de contamination dans l'huile.

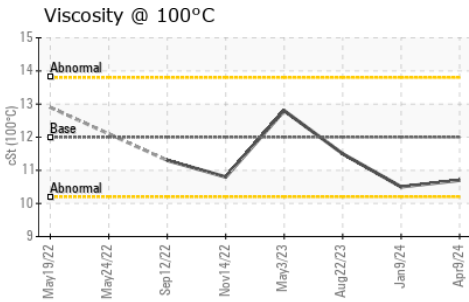
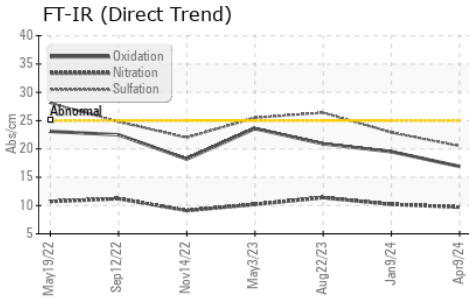
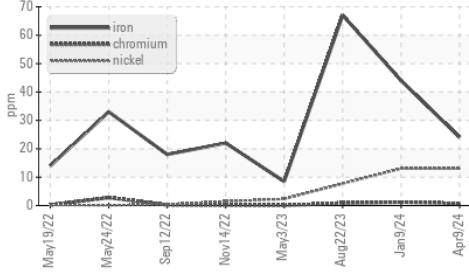
Silicon	ppm	ASTM D5185(m)	>25	6	10	13
Potassium	ppm	ASTM D5185(m)	>20	<1	2	2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>4	0.4	0.4	0.4
Nitration	Abs/cm	ASTM D7624*	>20	9.7	10.2	11.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.5	22.9	26.4
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

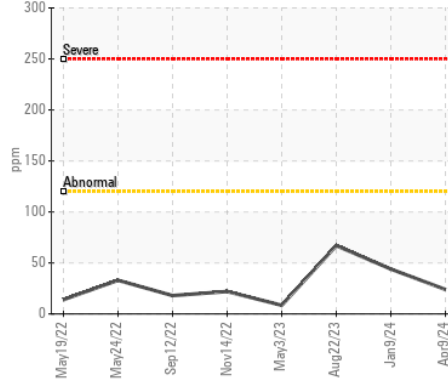
l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Sodium	ppm	ASTM D5185(m)		2	4	9
Boron	ppm	ASTM D5185(m)	2	1	2	26
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	57	57	72
Manganese	ppm	ASTM D5185(m)	0	<1	<1	1
Magnesium	ppm	ASTM D5185(m)	950	955	908	879
Calcium	ppm	ASTM D5185(m)	1050	1079	1093	1230
Phosphorus	ppm	ASTM D5185(m)	995	980	962	939
Zinc	ppm	ASTM D5185(m)	1180	1185	1152	1096
Sulfur	ppm	ASTM D5185(m)	2600	2393	2329	2244
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.9	19.5	20.9
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	10.7	10.5	11.5

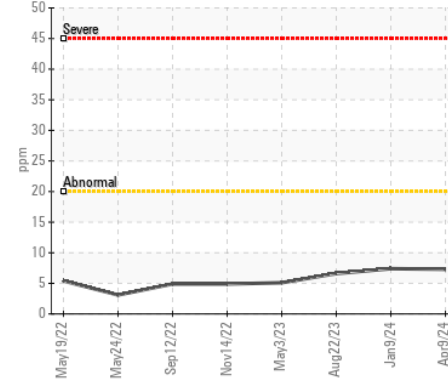
▲ Ferrous Alloys



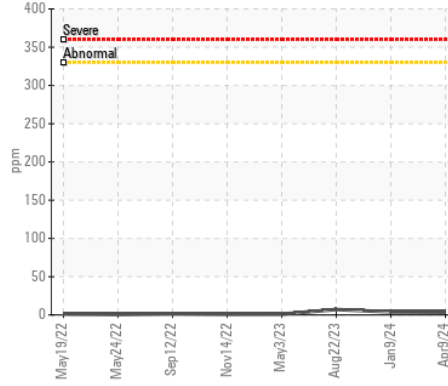
Iron (ppm)



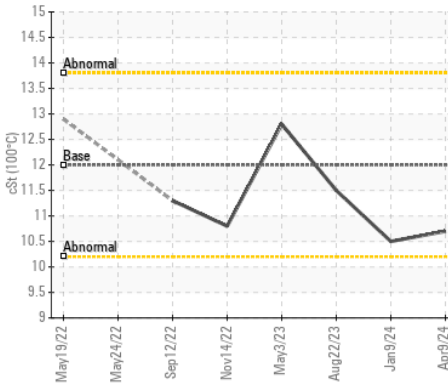
Aluminum (ppm)



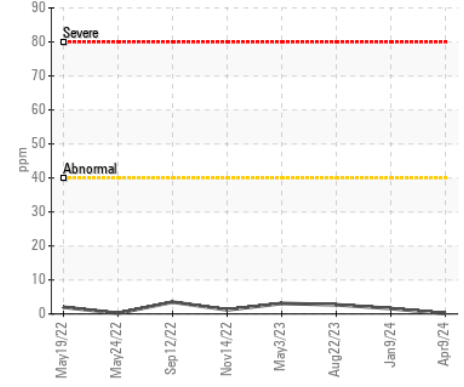
Copper (ppm)



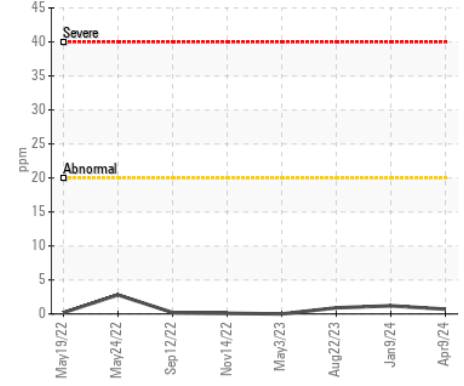
Viscosity @ 100°C



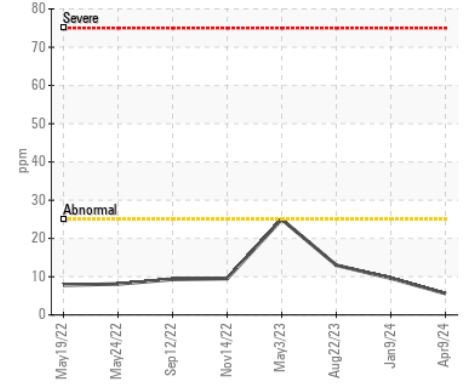
Lead (ppm)



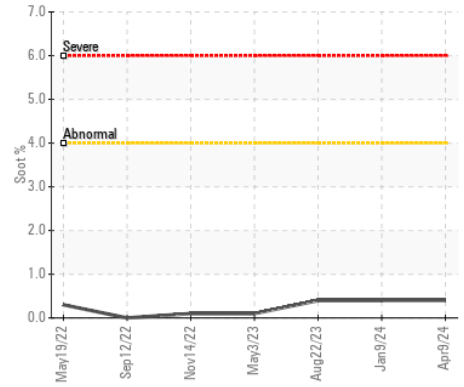
Chromium (ppm)



Silicon (ppm)



Soot %



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0111790
Lab Number : 02634087
Unique Number : 5775240
Test Package : MOB 1
Received : 08 May 2024
Tested : 08 May 2024
Diagnosed : 08 May 2024 - Kevin Marson

GFL Environmental - 769 - Drummondville QC
 1005 rue Rhea
 Drummondville, QC
 CA J2B 8A9
 Contact: Service Manager

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: