



Machine Id
711016

Component
Diesel Engine

Fluid
PETRO CANADA DURON SAE 10W30 (--- GAL)

RECOMMENDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0103663	GFL0084401	GFL0073387
Sample Date		Client Info		28 Dec 2023	10 Jul 2023	28 Apr 2023
Machine Age	hrs	Client Info		5328	44939	4111
Oil Age	hrs	Client Info		0	600	600
Filter Age	hrs	Client Info		0	600	600
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>100	5	7	12
Chromium	ppm	ASTM D5185(m)	>20	0	<1	0
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	2	1	2
Lead	ppm	ASTM D5185(m)	>40	<1	<1	1
Copper	ppm	ASTM D5185(m)	>330	1	2	7
Tin	ppm	ASTM D5185(m)	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

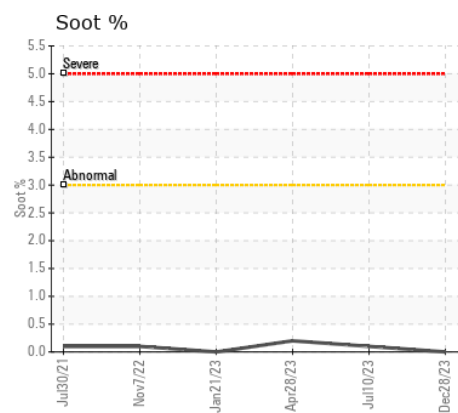
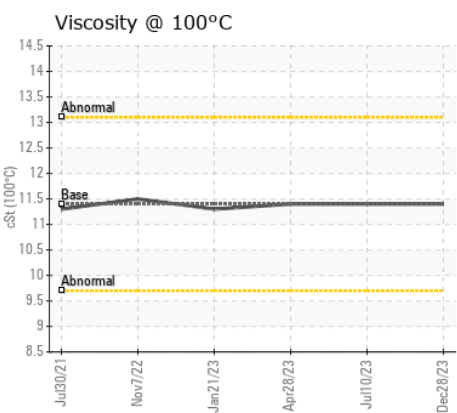
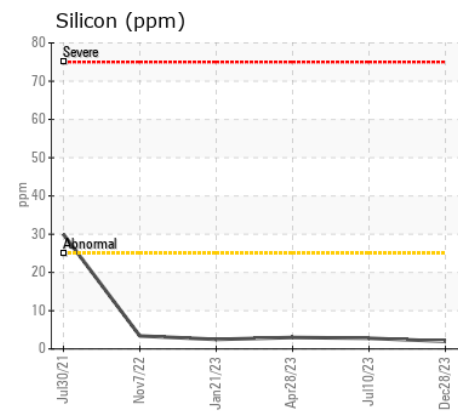
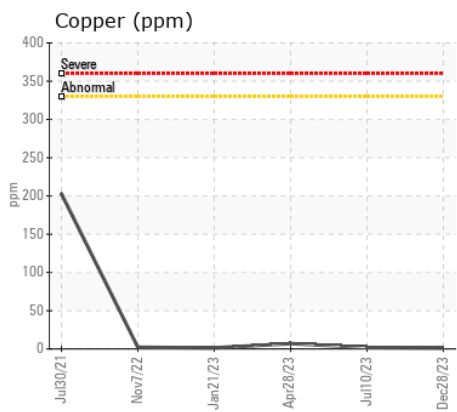
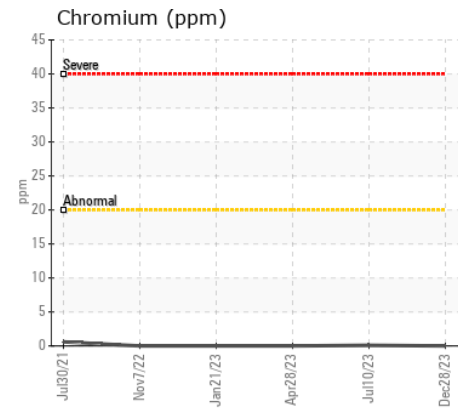
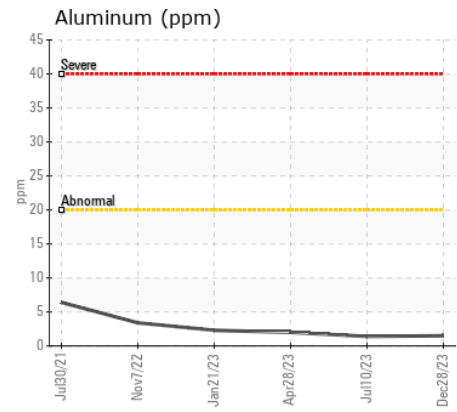
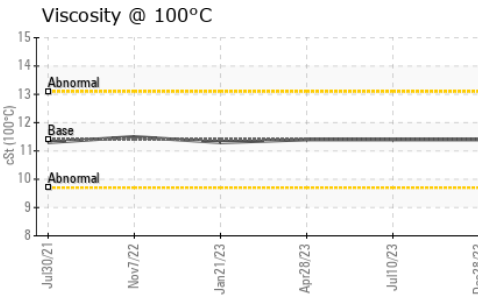
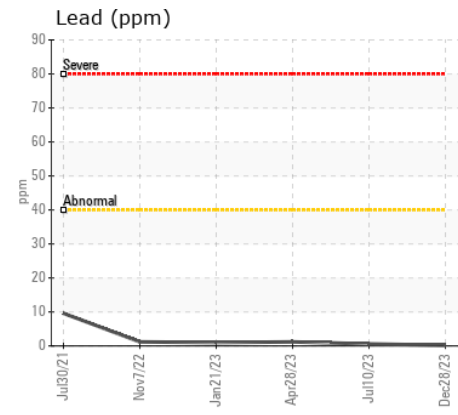
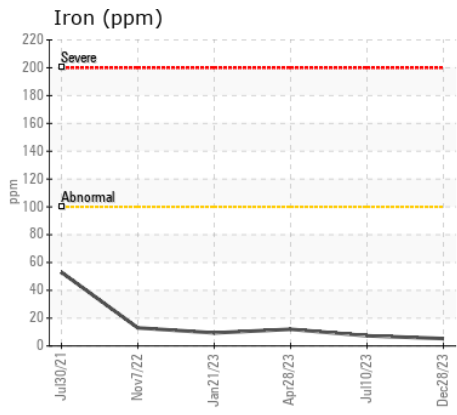
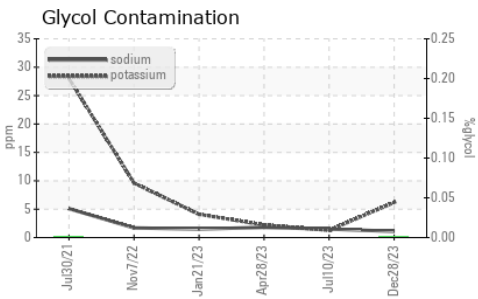
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	2	3	3
Potassium	ppm	ASTM D5185(m)	>20	6	1	2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	NEG	NEG
Soot %	%	ASTM D7844*	>3	0	0.1	0.2
Nitration	Abs/cm	ASTM D7624*	>20	6.3	7.2	8.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.3	19.2	19.3
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		1	2	2
Boron	ppm	ASTM D5185(m)	1	1	3	2
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	1	56	59	60
Manganese	ppm	ASTM D5185(m)	1	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	10	935	978	978
Calcium	ppm	ASTM D5185(m)	2942	1072	1036	1122
Phosphorus	ppm	ASTM D5185(m)	1102	982	1072	1084
Zinc	ppm	ASTM D5185(m)	1351	1165	1200	1203
Sulfur	ppm	ASTM D5185(m)	3903	2748	2533	2570
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.1	14.6	15.4
Visc @ 100°C	cSt	ASTM D7279(m)	11.4	11.4	11.4	11.4



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste
Sample No. : GFL0103663 **Received** : 05 Jan 2024 4365 boul. St-Elzear Ouest,
Lab Number : 02606730 **Diagnosed** : 05 Jan 2024 Laval, QC
Unique Number : 5707816 **Diagnostician** : Wes Davis CA H7P 4J3
Test Package : MOB 1 (Additional Tests: Glycol)
 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.