



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
7163
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 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		GFL0103703	GFL0071092	GFL0071084
Sample Date		Client Info		15 Jan 2024	16 Oct 2023	06 Jun 2023
Machine Age	hrs	Client Info		17118	16156	16156
Oil Age	hrs	Client Info		0	772	840
Filter Age	hrs	Client Info		0	772	840
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ATTENTION

WEAR

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

Iron	ppm	ASTM D5185(m)	>65	6	12	14
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>3	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>5	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>35	3	3	4
Lead	ppm	ASTM D5185(m)	>10	0	<1	1
Copper	ppm	ASTM D5185(m)	>180	2	10	▲ 50
Tin	ppm	ASTM D5185(m)	>8	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

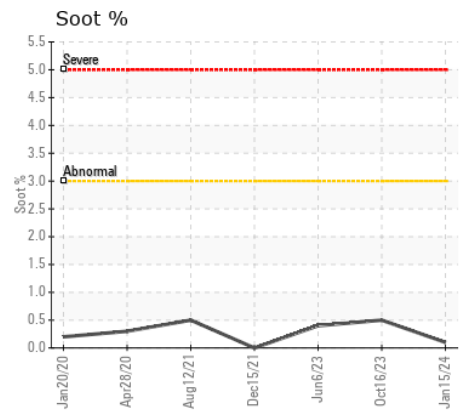
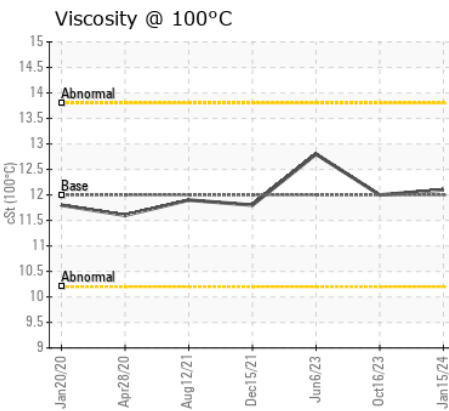
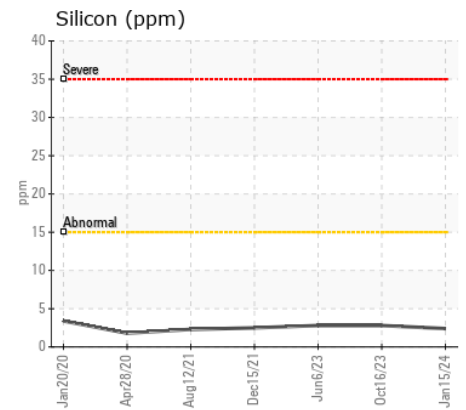
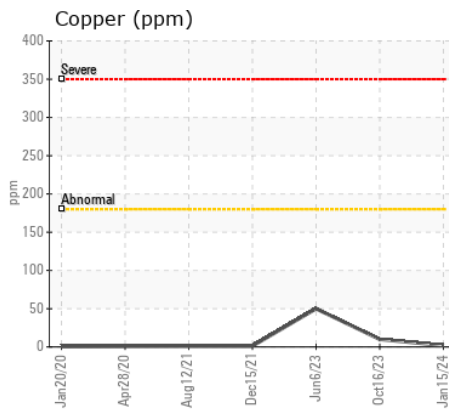
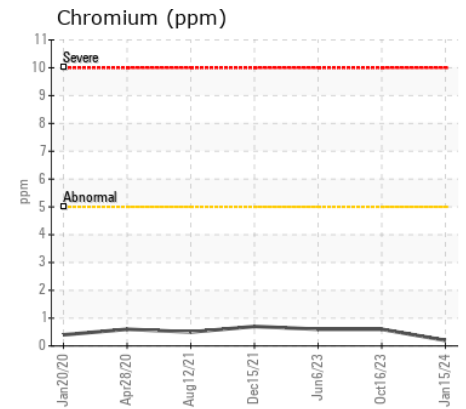
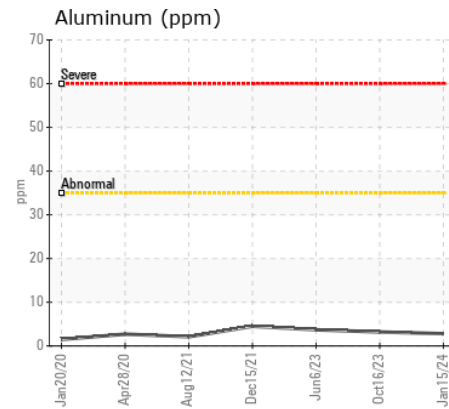
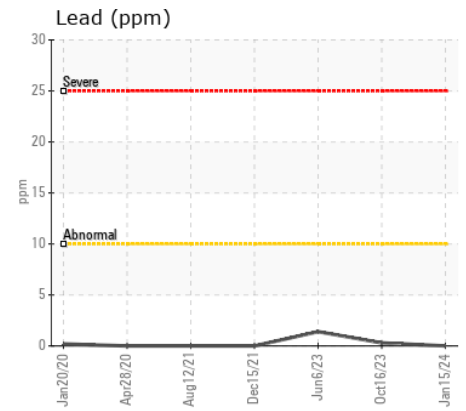
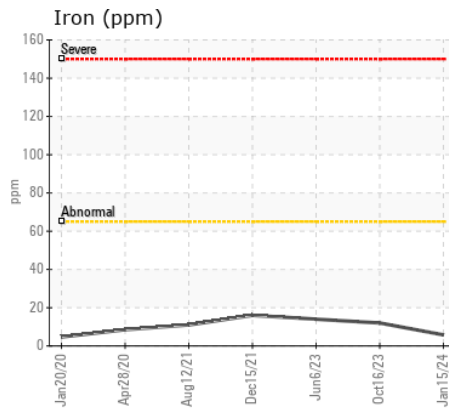
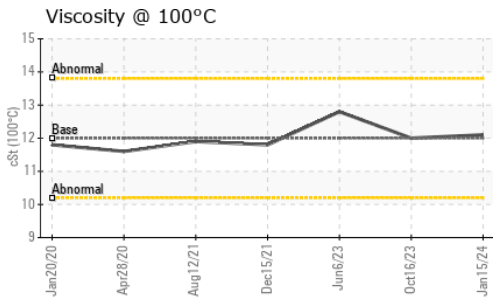
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>15	2	3	3
Potassium	ppm	ASTM D5185(m)	>20	2	<1	<1
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*	>3	0.1	0.5	0.4
Nitration	Abs/cm	ASTM D7624*	>20	5.4	7.6	7.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.2	20.0	19.8
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)	2	4	2	3
Barium	ppm	ASTM D5185(m)	0	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	57	59	59
Manganese	ppm	ASTM D5185(m)	0	0	0	<1
Magnesium	ppm	ASTM D5185(m)	950	935	966	959
Calcium	ppm	ASTM D5185(m)	1050	1045	1127	1202
Phosphorus	ppm	ASTM D5185(m)	995	1004	976	1082
Zinc	ppm	ASTM D5185(m)	1180	1131	1221	1213
Sulfur	ppm	ASTM D5185(m)	2600	2715	2305	2468
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.2	15.2	14.5
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	12.1	12.0	12.8



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste
Sample No. : GFL0103703 **Received** : 18 Jan 2024 4365 boul. St-Elzear Ouest,
Lab Number : 02609683 **Diagnosed** : 18 Jan 2024 Laval, QC
Unique Number : 5710769 **Diagnostician** : Wes Davis CA H7P 4J3
Test Package : MOB 1

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.

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