

Machine Id
7228
Component
Diesel Engine
Fluid
PETRO CANADA 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		PC0088660	PC0083843	PC0081894
Sample Date		Client Info		08 May 2024	22 Feb 2024	15 Nov 2023
Machine Age	kms	Client Info		148684	145099	139630
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>100	11	21	11
Chromium	ppm	ASTM D5185(m)	>20	0	<1	0
Nickel	ppm	ASTM D5185(m)	>4	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	4	1
Lead	ppm	ASTM D5185(m)	>40	0	0	<1
Copper	ppm	ASTM D5185(m)	>330	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

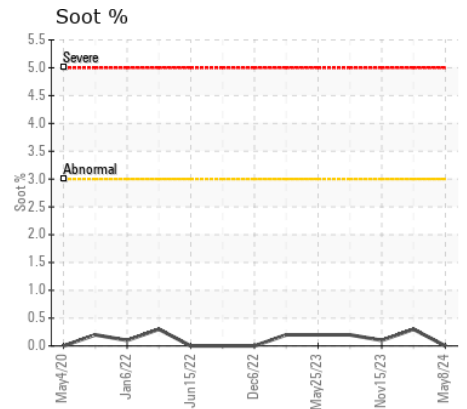
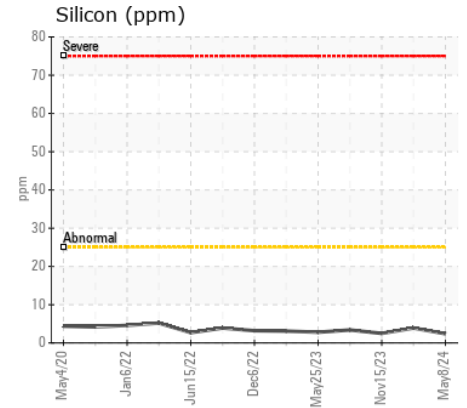
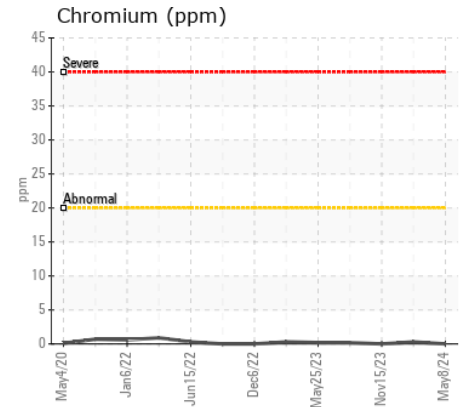
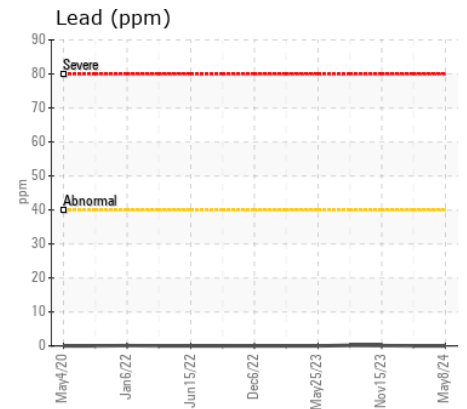
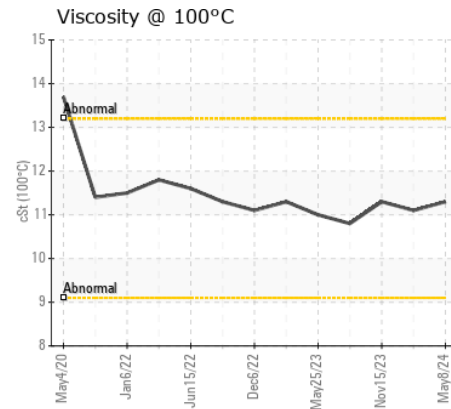
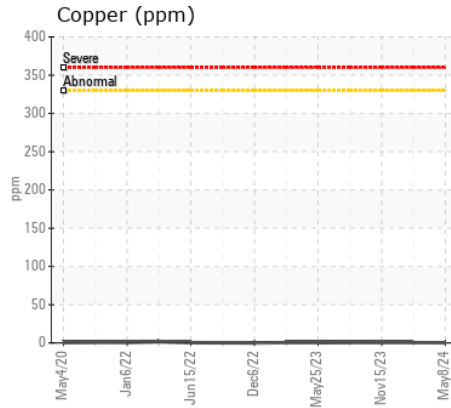
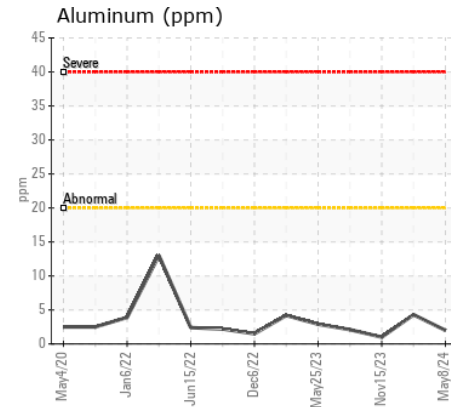
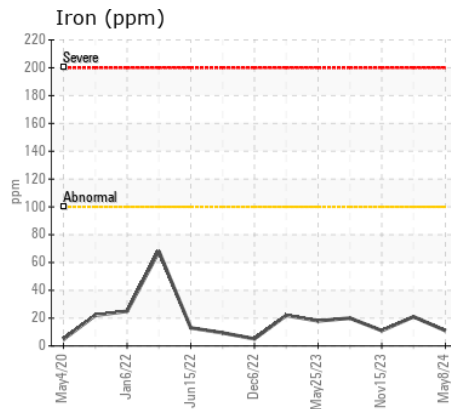
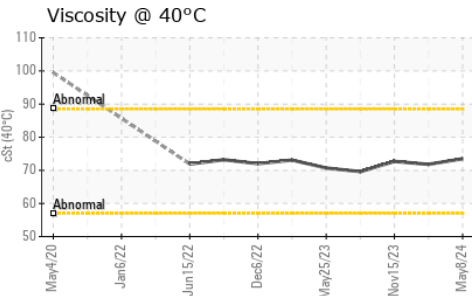
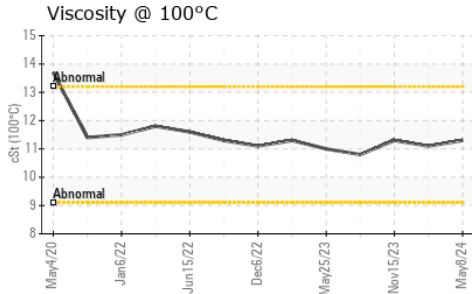
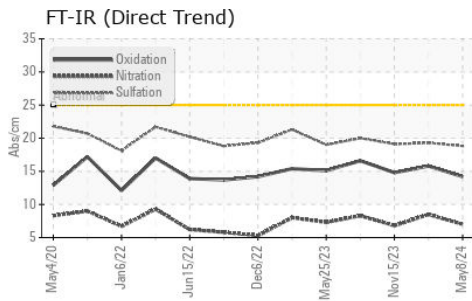
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	2	4	2
Potassium	ppm	ASTM D5185(m)	>20	<1	2	0
Fuel		WC Method	>5	<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	0.3	0.1
Nitration	Abs/cm	ASTM D7624*	>20	7.0	8.5	6.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.8	19.3	19.1
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
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)		2	2	1
Boron	ppm	ASTM D5185(m)		19	5	6
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)		46	57	58
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		724	930	929
Calcium	ppm	ASTM D5185(m)		1248	1031	1030
Phosphorus	ppm	ASTM D5185(m)		961	978	978
Zinc	ppm	ASTM D5185(m)		1137	1141	1163
Sulfur	ppm	ASTM D5185(m)		2613	2579	2471
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.2	15.8	14.8
Visc @ 40°C	cSt	ASTM D7279(m)		73.5	71.8	72.7
Visc @ 100°C	cSt	ASTM D7279(m)		11.3	11.1	11.3
Viscosity Index (VI)	Scale	ASTM D2270*		145	145	147



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088660
Lab Number : 02635936
Unique Number : 5785098
Test Package : MOB 1 (Additional Tests: KV40, VI, Visual)

Received : 16 May 2024
Tested : 16 May 2024
Diagnosed : 16 May 2024 - Wes Davis
GFL Environmental - 742 - Quebec City Solid Waste
 5160 Jean-Talon Pierre-Bertrand Bou
 Quebec City, QC
 CA G2J 1B7
 Contact: Jean Audet
 Jaudet@matrec.ca
 T: (418)624-0080
 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.