

Machine Id
8387
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		PC0082010	PC0077473	PC0071831
Sample Date		Client Info		04 Jan 2024	01 Aug 2023	11 May 2023
Machine Age	kms	Client Info		356043	347969	346944
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
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	29	13	20
Chromium	ppm	ASTM D5185(m)	>20	1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	10	4	10
Lead	ppm	ASTM D5185(m)	>40	<1	0	<1
Copper	ppm	ASTM D5185(m)	>330	3	1	1
Tin	ppm	ASTM D5185(m)	>15	<1	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

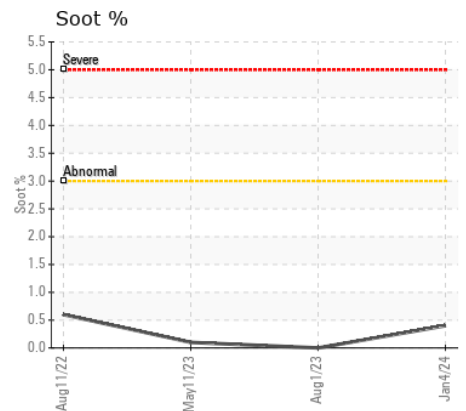
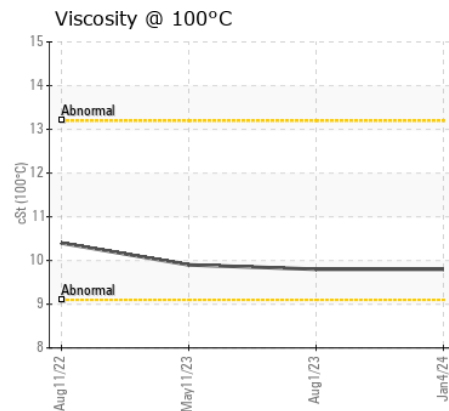
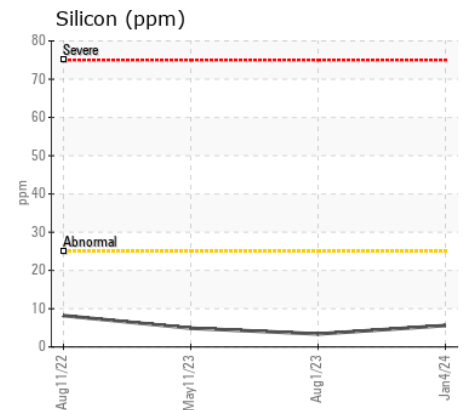
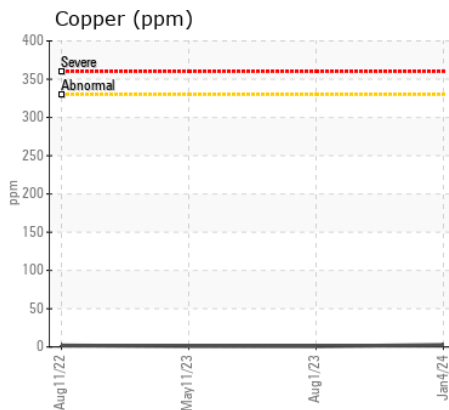
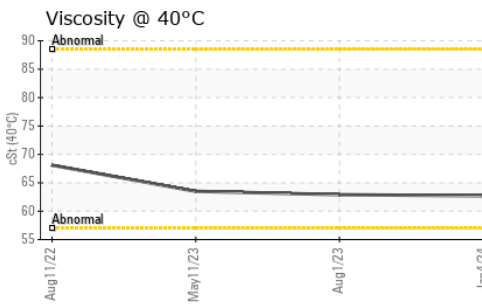
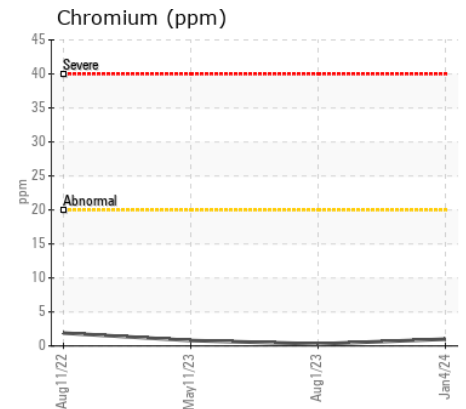
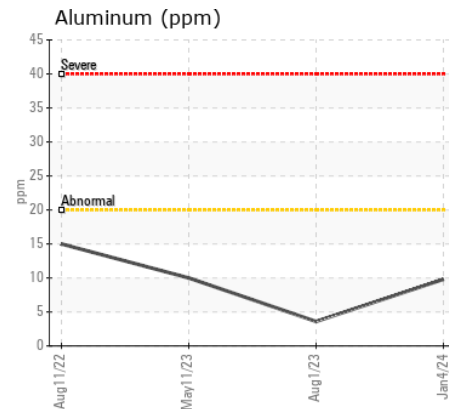
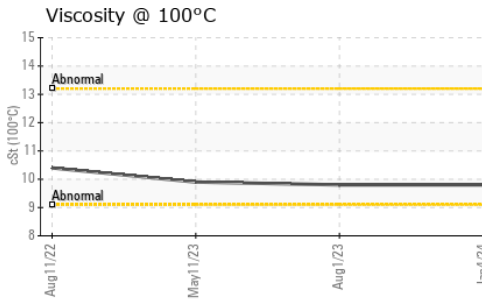
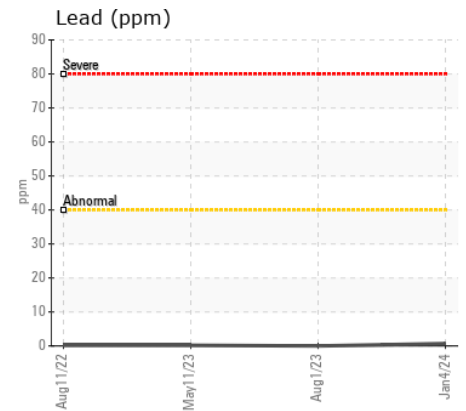
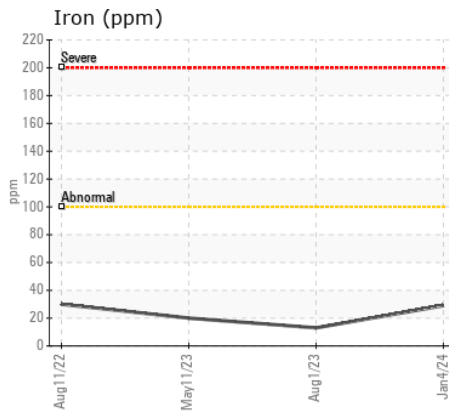
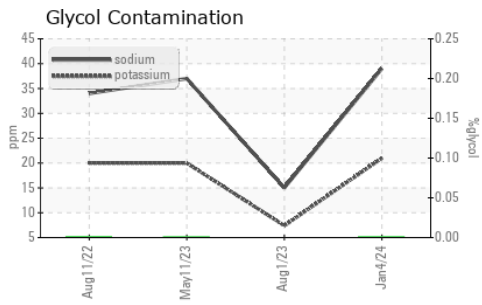
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	6	3	5
Potassium	ppm	ASTM D5185(m)	>20	21	7	20
Fuel		WC Method	>2.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	NEG	0.0
Soot %	%	ASTM D7844*	>3	0.4	0	0.1
Nitration	Abs/cm	ASTM D7624*	>20	9.2	5.1	6.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.9	17.8	18.5
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)		39	15	37
Boron	ppm	ASTM D5185(m)		5	14	10
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		63	61	63
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		941	953	959
Calcium	ppm	ASTM D5185(m)		1081	1069	1164
Phosphorus	ppm	ASTM D5185(m)		1005	1099	1120
Zinc	ppm	ASTM D5185(m)		1190	1192	1212
Sulfur	ppm	ASTM D5185(m)		2650	2794	2821
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.0	12.2	13.5
Visc @ 40°C	cSt	ASTM D7279(m)		62.7	62.9	63.5
Visc @ 100°C	cSt	ASTM D7279(m)		9.8	9.8	9.9
Viscosity Index (VI)	Scale	ASTM D2270*		140	139	140



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 737 - Quebec City Hauling
Sample No. : PC0082010 **Received** : 08 Jan 2024
Lab Number : 02606987 **Diagnosed** : 08 Jan 2024
Unique Number : 5708073 **Diagnostician** : Wes Davis
Test Package : MOB 1 (Additional Tests: Glycol, KV40, VI)

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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