



Machine Id
813044
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		PC0088544	PC0082005	PC0081903
Sample Date		Client Info		25 Jun 2024	08 Jan 2024	04 Dec 2023
Machine Age	kms	Client Info		41932	30205	28006
Oil Age	kms	Client Info		30205	0	0
Filter Age	kms	Client Info		30205	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Iron	ppm	ASTM D5185(m)	>80	11	11	29
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>30	2	3	5
Lead	ppm	ASTM D5185(m)	>30	0	0	0
Copper	ppm	ASTM D5185(m)	>150	1	1	4
Tin	ppm	ASTM D5185(m)	>5	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	---	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	---	NONE

CONTAMINATION

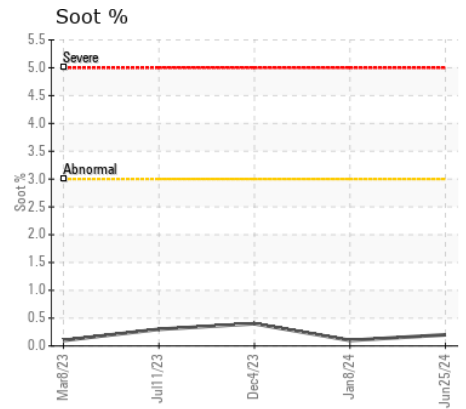
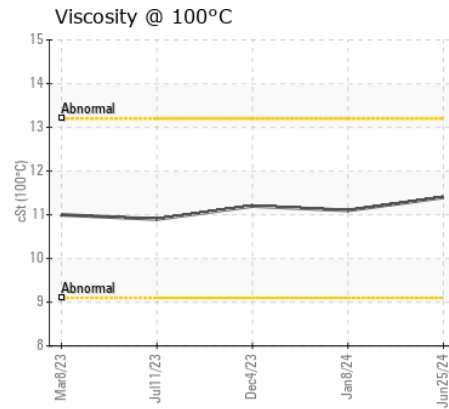
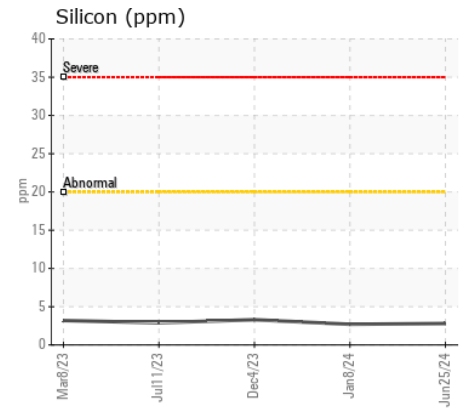
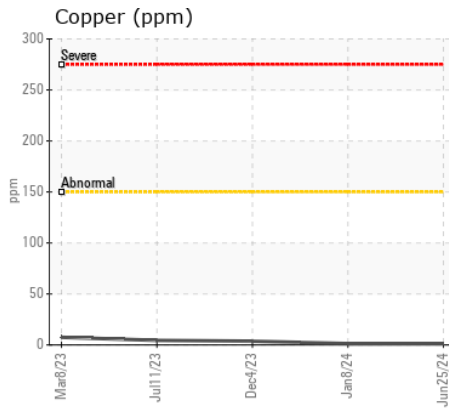
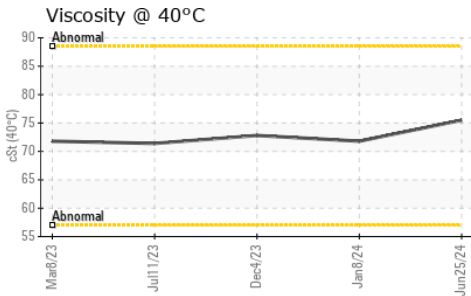
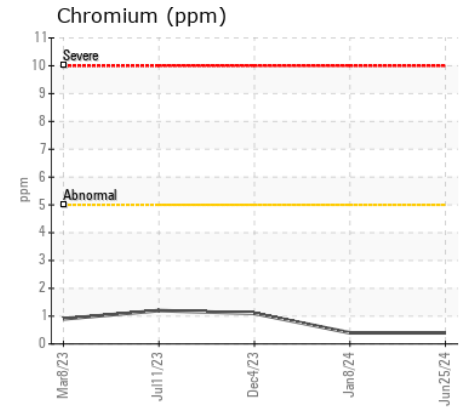
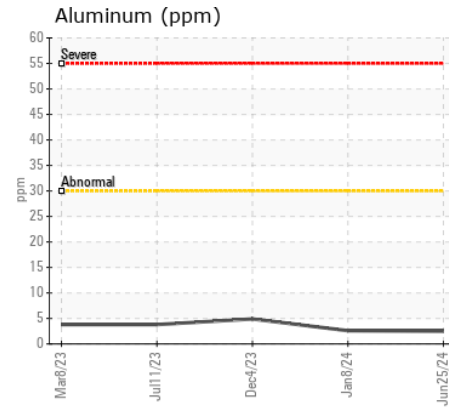
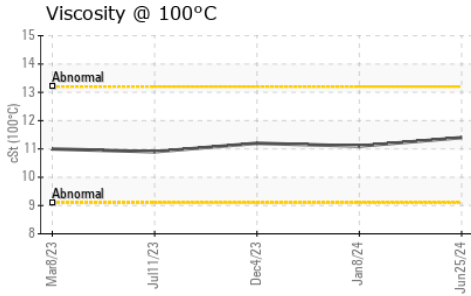
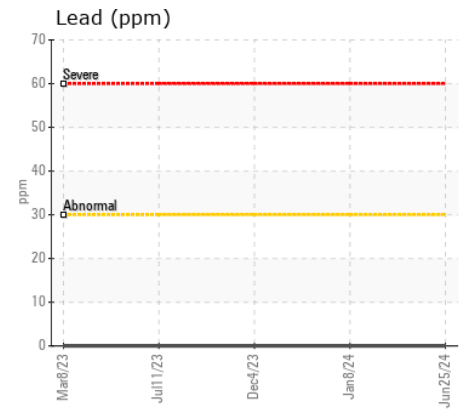
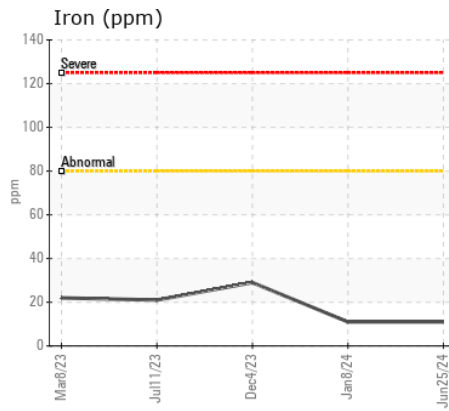
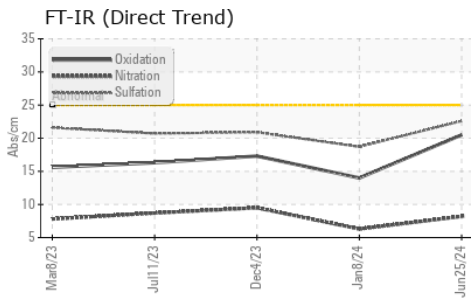
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>20	3	3	3
Potassium	ppm	ASTM D5185(m)	>20	3	4	11
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	0.2	0.1	0.4
Nitration	Abs/cm	ASTM D7624*	>20	8.2	6.3	9.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.6	18.7	20.9
Silt	scalar	Visual*	NONE	NONE	---	NONE
Debris	scalar	Visual*	NONE	NONE	---	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	---	NONE
Appearance	scalar	Visual*	NORML	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	<1	2
Boron	ppm	ASTM D5185(m)		33	9	6
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)		40	59	62
Manganese	ppm	ASTM D5185(m)		<1	0	<1
Magnesium	ppm	ASTM D5185(m)		533	938	980
Calcium	ppm	ASTM D5185(m)		1583	1034	1098
Phosphorus	ppm	ASTM D5185(m)		753	1002	1014
Zinc	ppm	ASTM D5185(m)		912	1158	1219
Sulfur	ppm	ASTM D5185(m)		2127	2712	2528
Oxidation	Abs/.1mm	ASTM D7414*	>25	20.5	14.0	17.3
Visc @ 40°C	cSt	ASTM D7279(m)		75.5	71.8	72.8
Visc @ 100°C	cSt	ASTM D7279(m)		11.4	11.1	11.2
Viscosity Index (VI)	Scale	ASTM D2270*		143	145	145



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088544 **Received** : 03 Jul 2024
Lab Number : 02645171 **Tested** : 03 Jul 2024
Unique Number : 5802710 **Diagnosed** : 03 Jul 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KV40, VI, Visual)

GFL Environmental - 737 - Quebec City Hauling
 6205 Boul. Wilfrid Hamel,
 Quebec City, QC
 CA G2E 5G8
 Contact: Michel .
 mmorrisette@matrec.ca
 T: (418)628-8666
 F: x:

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.