



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
812049
Component
Diesel Engine
Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (--- 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		PC0088673	PC0066761	PC0064901
Sample Date		Client Info		01 May 2024	07 Dec 2022	26 Sep 2022
Machine Age	kms	Client Info		25252	37181	29519
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	N/A
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>80	53	95	94
Chromium	ppm	ASTM D5185(m)	>5	0	<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	0
Aluminum	ppm	ASTM D5185(m)	>30	27	▲ 54	▲ 52
Lead	ppm	ASTM D5185(m)	>30	8	13	12
Copper	ppm	ASTM D5185(m)	>150	4	12	11
Tin	ppm	ASTM D5185(m)	>5	1	2	2
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

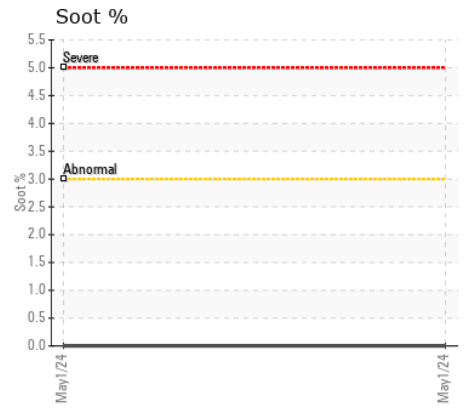
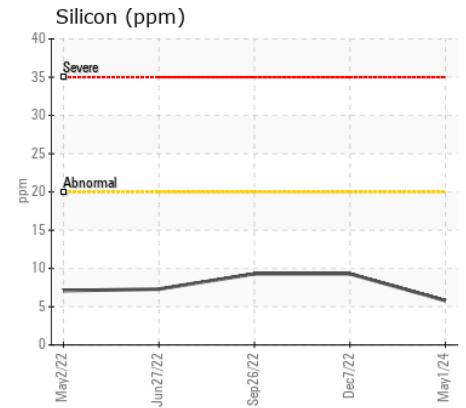
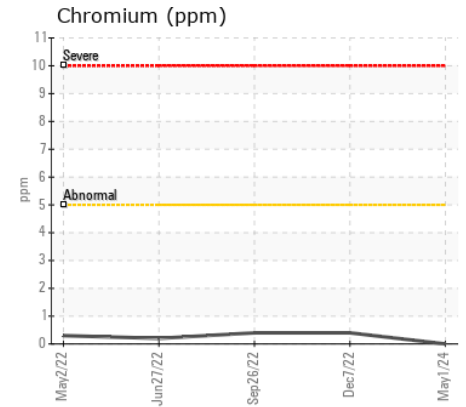
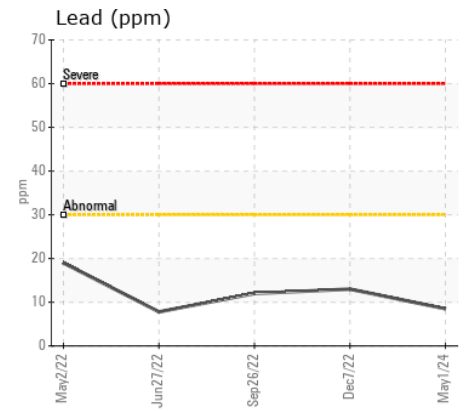
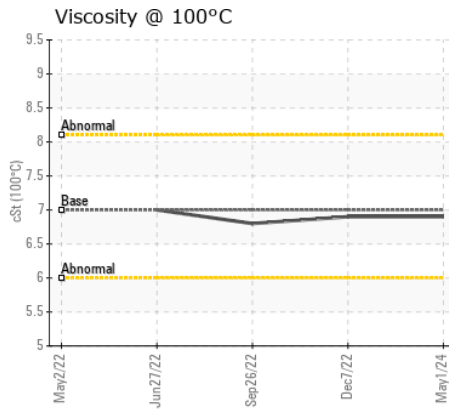
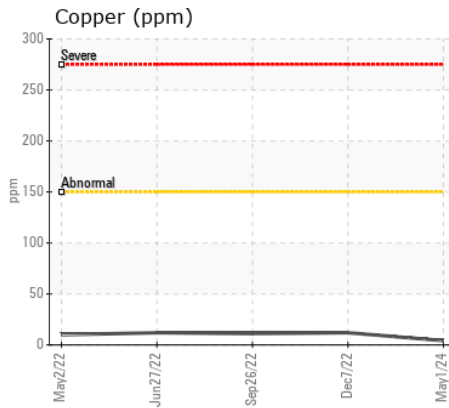
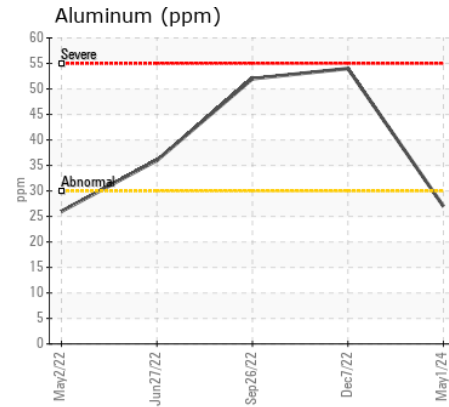
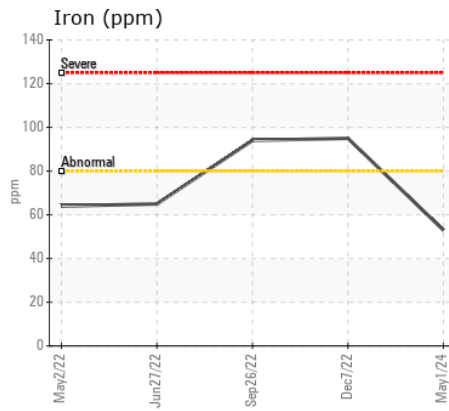
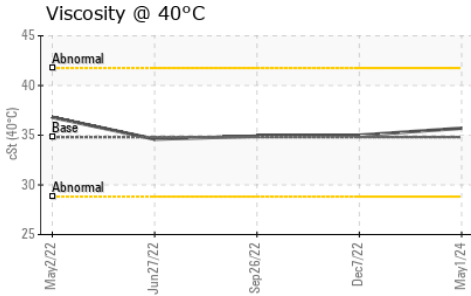
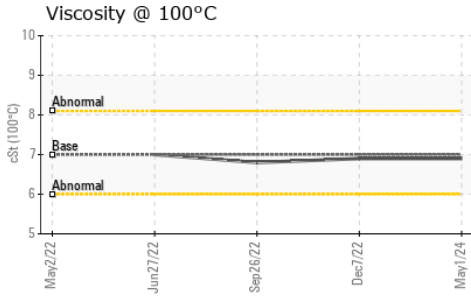
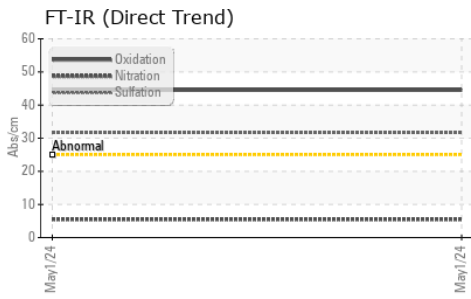
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>20	6	9	9
Potassium	ppm	ASTM D5185(m)	>20	4	5	5
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	---	---
Nitration	Abs/cm	ASTM D7624*	>20	5.5	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	31.6	---	---
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)		6	10	11
Boron	ppm	ASTM D5185(m)	78	65	68	66
Barium	ppm	ASTM D5185(m)		<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)	0	0	1	1
Manganese	ppm	ASTM D5185(m)		<1	3	3
Magnesium	ppm	ASTM D5185(m)	0	3	<1	2
Calcium	ppm	ASTM D5185(m)	113	108	69	67
Phosphorus	ppm	ASTM D5185(m)	222	218	257	257
Zinc	ppm	ASTM D5185(m)		7	9	11
Sulfur	ppm	ASTM D5185(m)	1326	1633	1064	1001
Oxidation	Abs/.1mm	ASTM D7414*	>25	44.5	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	35.7	35.0	34.9
Visc @ 100°C	cSt	ASTM D7279(m)	7.0	6.9	6.9	6.8
Viscosity Index (VI)	Scale	ASTM D2270*	167	156	161	157



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088673
Lab Number : 02634269
Unique Number : 5775422
Test Package : MOB 1 (Additional Tests: KV40, VI)

GFL Environmental - 737 - Quebec City Hauling
 6205 Boul. Wilfrid Hamel,
 Quebec City, QC
 CA G2E 5G8
 Contact: Dave Beaulieu
 davebeaulieu@matrec.ca

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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F: