



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
831031
Component
Natural Gas Engine
Fluid
PETRO CANADA DURON GEO LD 15W40 (--- 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		PC0088672	CU0021561	PC0075425
Sample Date		Client Info		21 May 2024	16 Oct 2023	07 Jun 2023
Machine Age	kms	Client Info		113390	0	77373
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
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)	>50	26	22	40
Chromium	ppm	ASTM D5185(m)	>4	2	2	3
Nickel	ppm	ASTM D5185(m)	>2	1	<1	2
Titanium	ppm	ASTM D5185(m)		<1	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>9	25	16	25
Lead	ppm	ASTM D5185(m)	>30	6	1	3
Copper	ppm	ASTM D5185(m)	>35	2	2	6
Tin	ppm	ASTM D5185(m)	>4	2	<1	2
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

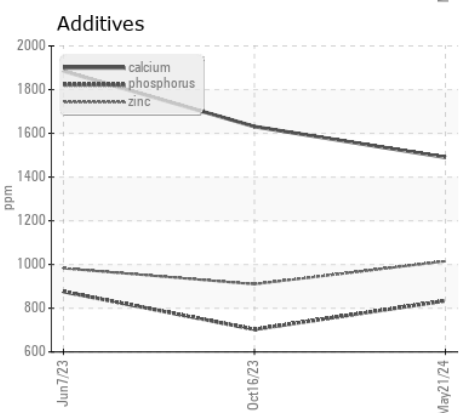
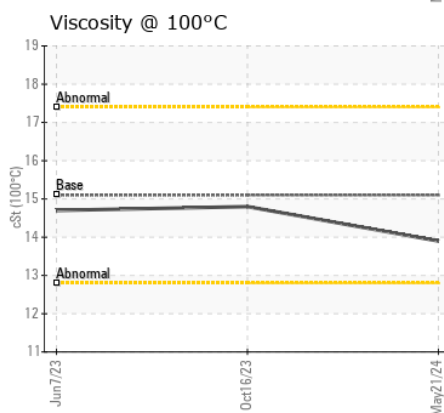
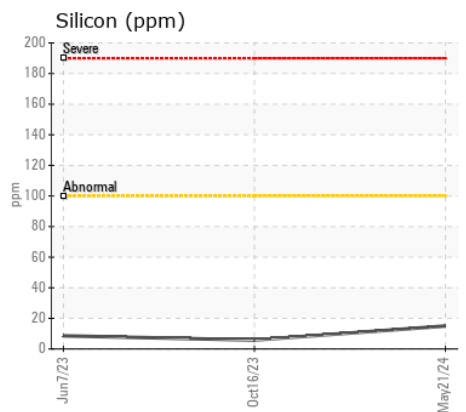
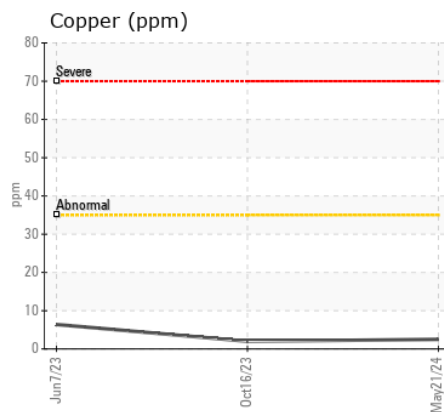
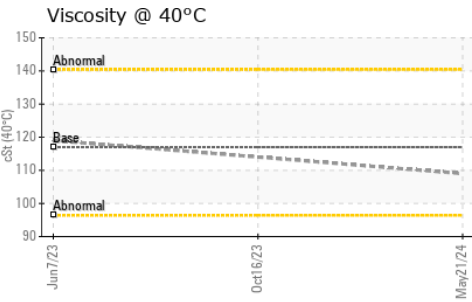
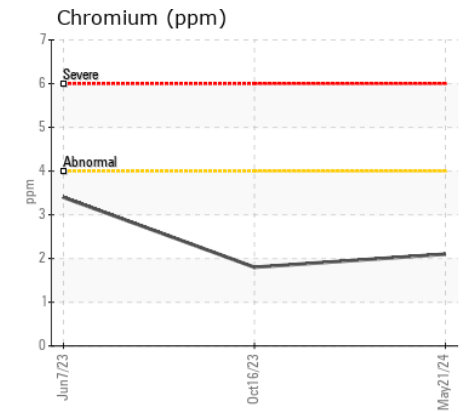
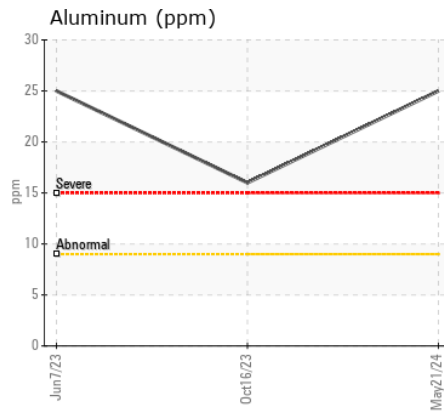
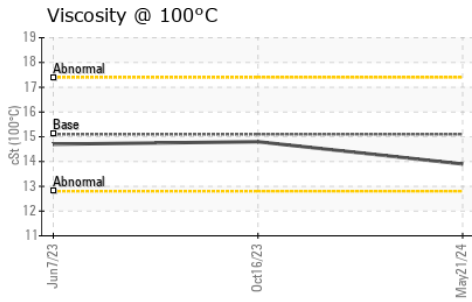
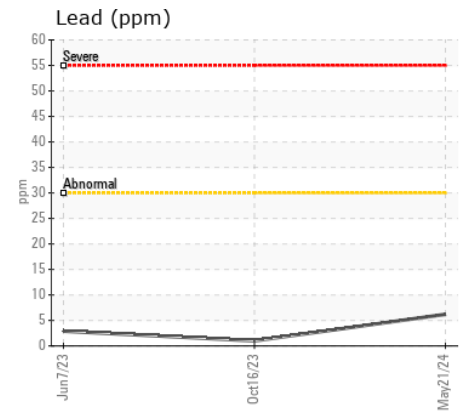
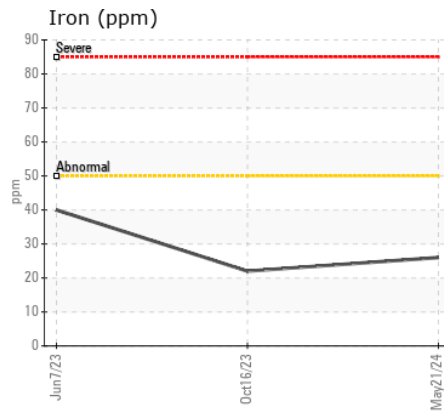
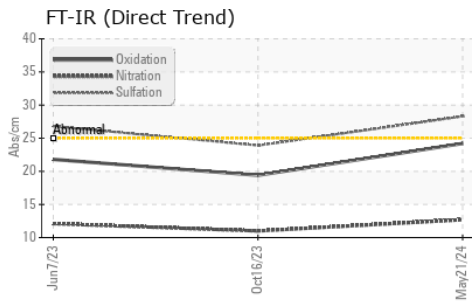
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>+100	15	6	9
Potassium	ppm	ASTM D5185(m)	>20	<1	3	1
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	12.7	11.0	12.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	28.3	23.9	26.8
Silt	scalar	Visual*	NONE	VLITE	---	---
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*	>0.1	NEG	NEG	NEG

FLUID CONDITION

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		6	10	12
Boron	ppm	ASTM D5185(m)	50	5	6	10
Barium	ppm	ASTM D5185(m)	5	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	62	54	62
Manganese	ppm	ASTM D5185(m)	0	1	<1	2
Magnesium	ppm	ASTM D5185(m)	560	815	584	655
Calcium	ppm	ASTM D5185(m)	1510	1490	1631	1885
Phosphorus	ppm	ASTM D5185(m)	780	834	703	876
Zinc	ppm	ASTM D5185(m)	870	1015	910	983
Sulfur	ppm	ASTM D5185(m)	2040	2123	1908	2105
Oxidation	Abs/.1mm	ASTM D7414*	>25	24.2	19.4	21.8
Visc @ 40°C	cSt	ASTM D7279(m)	117.0	109	---	119
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	13.9	14.8	14.7
Viscosity Index (VI)	Scale	ASTM D2270*	134	127	---	126



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088672
Lab Number : 02642556
Unique Number : 5800095
Test Package : MOB 1 (Additional Tests: KV40, VI, Visual)

GFL Environmental - 742 - Quebec City Solid Waste
 5160 Jean-Talon Pierre-Bertrand Bou
 Quebec City, QC
 CA G2J 1B7
 Contact: Jean Audet
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 T: (418)624-0080
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*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.*