



Machine Id
931044
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		PC0088693	CU0021565	PC0067970
Sample Date		Client Info		01 May 2024	23 Oct 2023	03 May 2023
Machine Age	kms	Client Info		5827	0	50067
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	N/A
Filter Changed		Client Info		Changed	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	32	28	49
Chromium	ppm	ASTM D5185(m)	>5	3	2	4
Nickel	ppm	ASTM D5185(m)	>4	1	1	2
Titanium	ppm	ASTM D5185(m)	>5	<1	0	2
Silver	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	21	17	24
Lead	ppm	ASTM D5185(m)	>40	12	4	3
Copper	ppm	ASTM D5185(m)	>150	4	3	6
Tin	ppm	ASTM D5185(m)	>4	2	2	2
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	---	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	---	NONE

CONTAMINATION

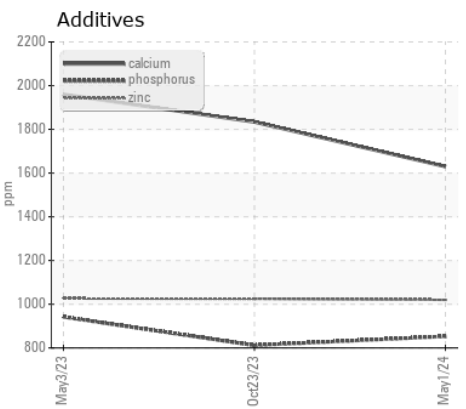
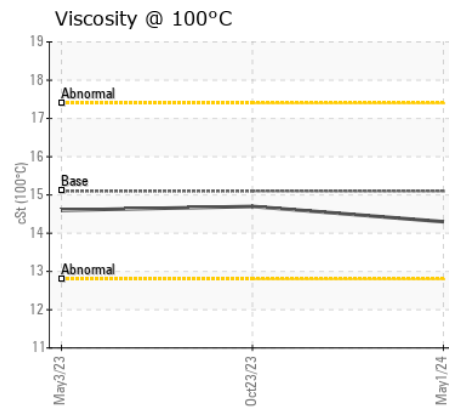
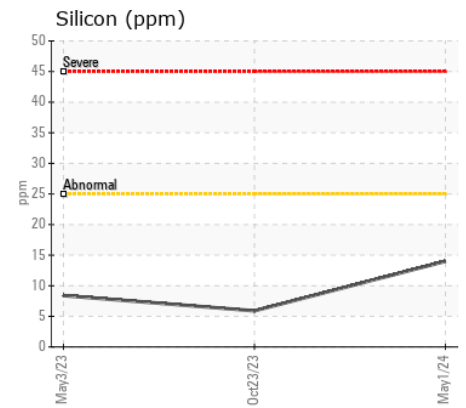
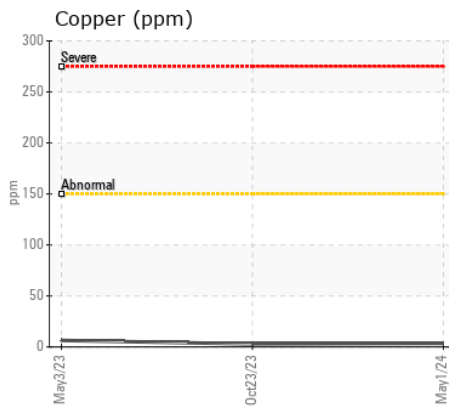
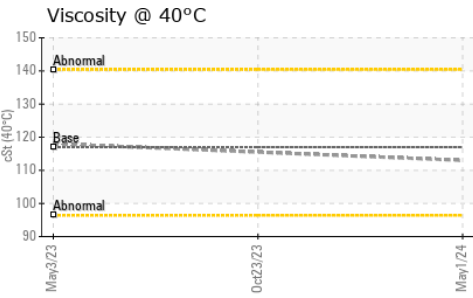
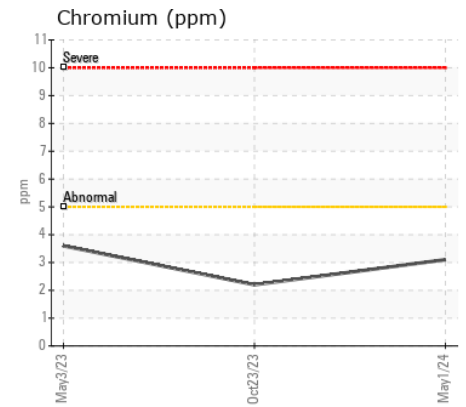
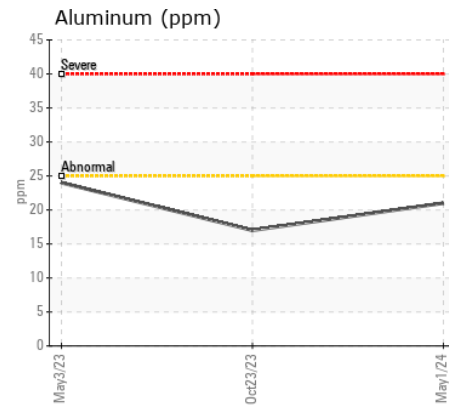
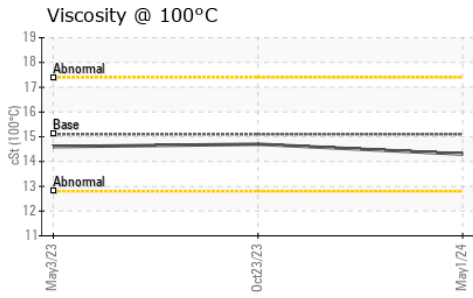
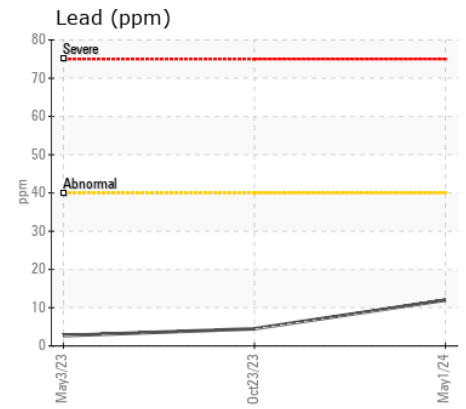
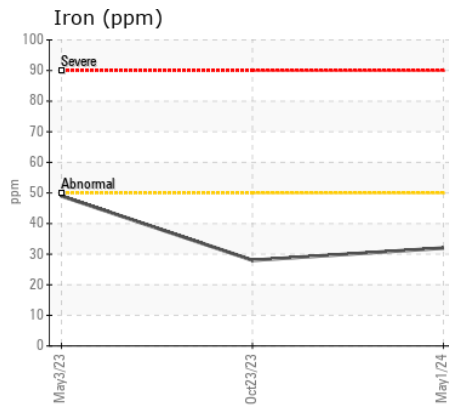
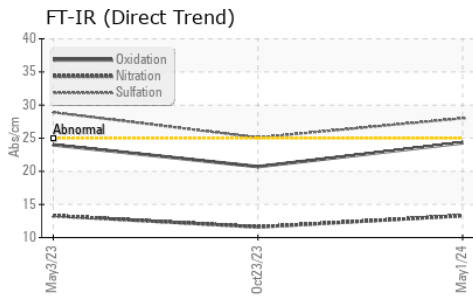
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	14	6	8
Potassium	ppm	ASTM D5185(m)	>20	4	6	6
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		---	0.0	0.0
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	13.3	11.6	13.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	28.0	25.1	28.9
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*	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		6	11	15
Boron	ppm	ASTM D5185(m)	50	7	8	6
Barium	ppm	ASTM D5185(m)	5	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	50	65	60	66
Manganese	ppm	ASTM D5185(m)	0	1	<1	3
Magnesium	ppm	ASTM D5185(m)	560	860	650	695
Calcium	ppm	ASTM D5185(m)	1510	1630	1834	1960
Phosphorus	ppm	ASTM D5185(m)	780	853	812	942
Zinc	ppm	ASTM D5185(m)	870	1020	1025	1026
Sulfur	ppm	ASTM D5185(m)	2040	2067	2072	2131
Oxidation	Abs/.1mm	ASTM D7414*	>25	24.3	20.7	24.0
Visc @ 40°C	cSt	ASTM D7279(m)	117.0	113	---	118
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	14.3	14.7	14.6
Viscosity Index (VI)	Scale	ASTM D2270*	134	128	---	125



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088693 **Received** : 05 Jun 2024
Lab Number : 02639783 **Tested** : 05 Jun 2024
Unique Number : 5788945 **Diagnosed** : 05 Jun 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KV40, VI, Visual)

GFL Environmental - 742 - Quebec City Solid Waste
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 Quebec City, QC
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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.