



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[417917]

Machine Id
931043

Component
Diesel 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		CU0023103	PC0088467	CU0021563
Sample Date		Client Info		23 Apr 2024	16 Apr 2024	24 Oct 2023
Machine Age	kms	Client Info		99201	5828	0
Oil Age	kms	Client Info		1200	0	0
Filter Age	kms	Client Info		1200	0	0
Oil Changed		Client Info		Changed	N/A	N/A
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>120	5	16	41
Chromium	ppm	ASTM D5185(m)	>20	0	1	4
Nickel	ppm	ASTM D5185(m)	>5	0	<1	2
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	4	16	▲ 40
Lead	ppm	ASTM D5185(m)	>40	0	<1	6
Copper	ppm	ASTM D5185(m)	>330	<1	1	4
Tin	ppm	ASTM D5185(m)	>15	0	<1	2
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

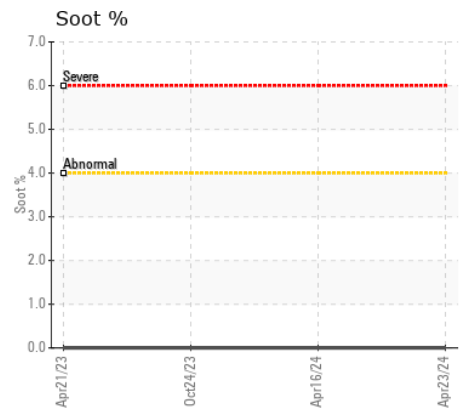
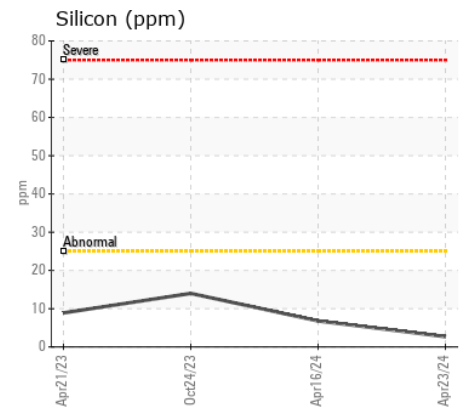
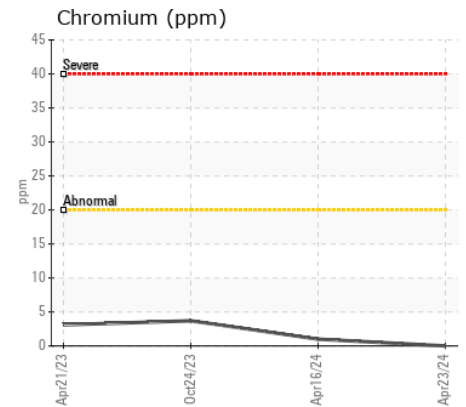
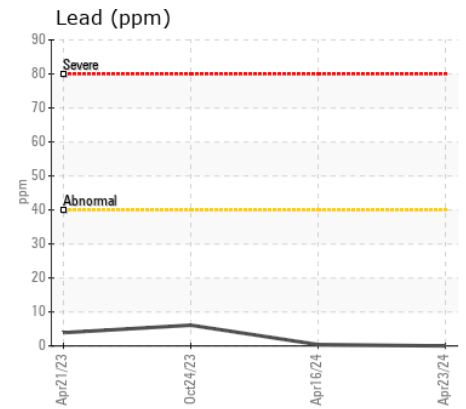
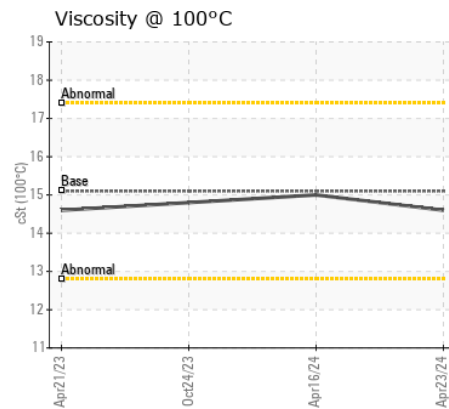
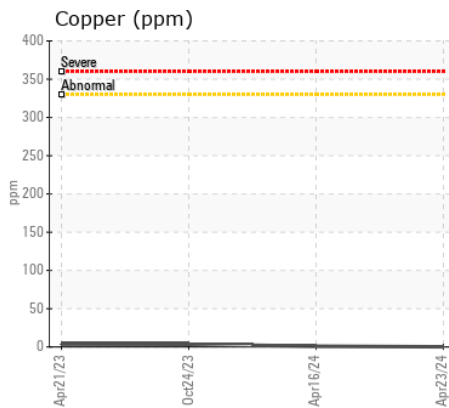
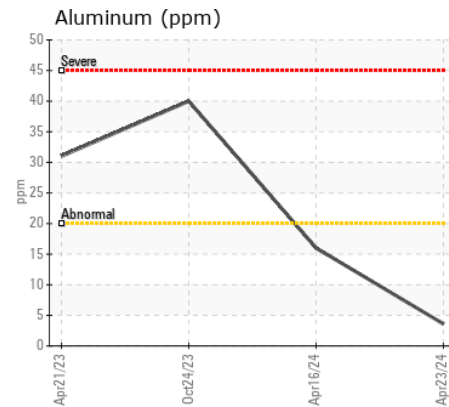
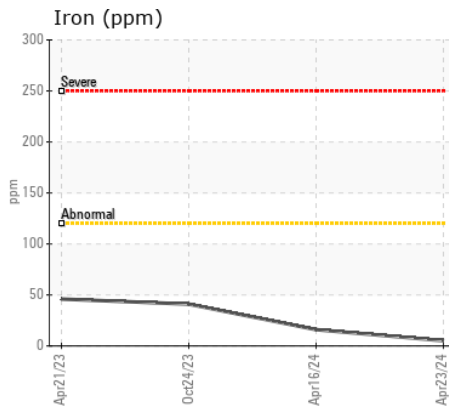
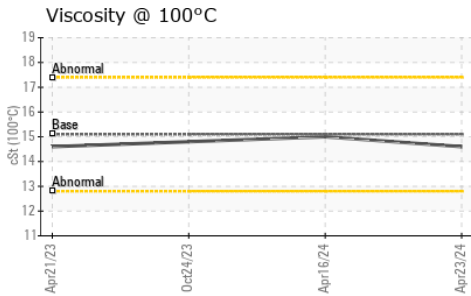
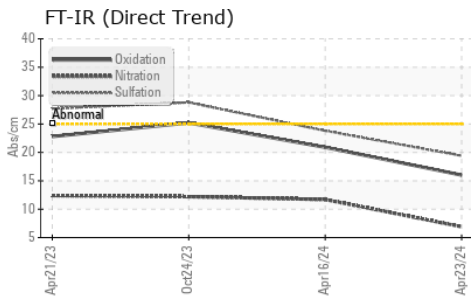
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	3	7	14
Potassium	ppm	ASTM D5185(m)	>20	<1	1	7
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	0.0
Soot %	%	ASTM D7844*	>4	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	6.9	11.7	12.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.4	23.8	28.8
Silt	scalar	Visual*	NONE	NONE	---	---
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*	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		5	3	13
Boron	ppm	ASTM D5185(m)	50	32	5	7
Barium	ppm	ASTM D5185(m)	5	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	50	47	52	63
Manganese	ppm	ASTM D5185(m)	0	<1	<1	1
Magnesium	ppm	ASTM D5185(m)	560	560	803	664
Calcium	ppm	ASTM D5185(m)	1510	1482	1235	1836
Phosphorus	ppm	ASTM D5185(m)	780	709	649	870
Zinc	ppm	ASTM D5185(m)	870	830	868	1025
Sulfur	ppm	ASTM D5185(m)	2040	1928	1881	2050
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.0	20.9	25.2
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	14.6	15.0	14.8



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0023103 **Received** : 26 Apr 2024
Lab Number : 02631470 **Tested** : 26 Apr 2024
Unique Number : 5772623 **Diagnosed** : 26 Apr 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: Visual)

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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.