



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL



Machine Id
813081
Component
Natural Gas Engine
Fluid
PETRO CANADA DURON GEO LD 15W40 (--- GAL)

RECOMMENDATION

Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Le fluide était spécifié comme PETRO CANADA DURON GEO LD 15W40, toutefois, une comparaison avec d'autres fluides indiqua que ce fluide est du SAE 10W30 Diesel Engine Oil. Veuillez confirmer la viscosité de l'huile et veuillez préciser la marque de votre prochain échantillon.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0088684	PC0083992	PC0075495
Sample Date		Client Info		24 Apr 2024	25 Feb 2024	24 Aug 2023
Machine Age	hrs	Client Info		14385	2425	14385
Oil Age	hrs	Client Info		2785	0	0
Filter Age	hrs	Client Info		2785	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

Les taux d'usure de tous les composants sont normaux.

Iron	ppm	ASTM D5185(m)	>50	9	11	25
Chromium	ppm	ASTM D5185(m)	>4	<1	<1	1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>9	2	2	2
Lead	ppm	ASTM D5185(m)	>30	0	0	0
Copper	ppm	ASTM D5185(m)	>35	<1	<1	3
Tin	ppm	ASTM D5185(m)	>4	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

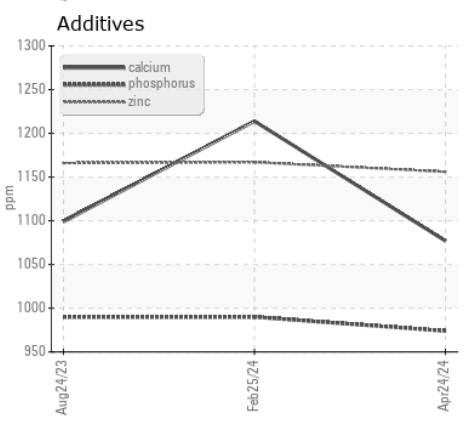
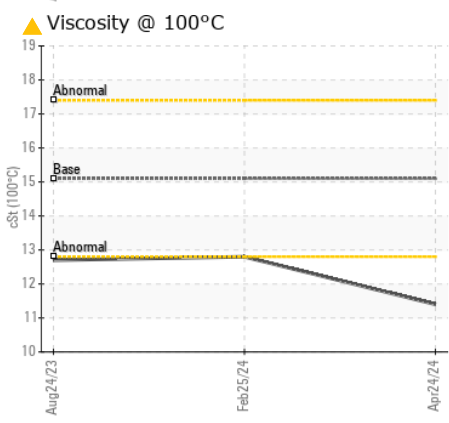
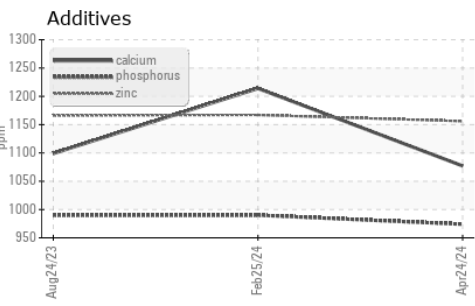
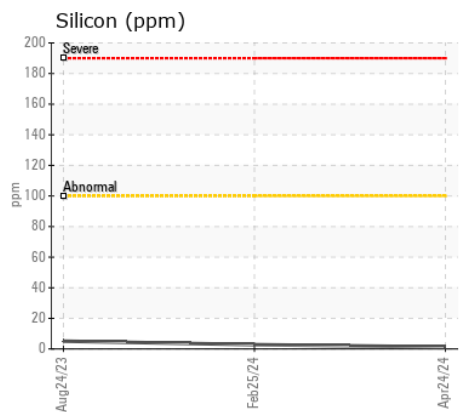
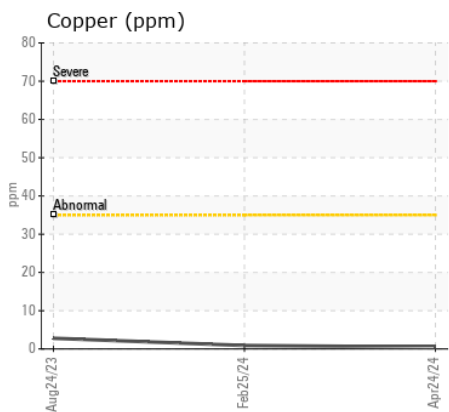
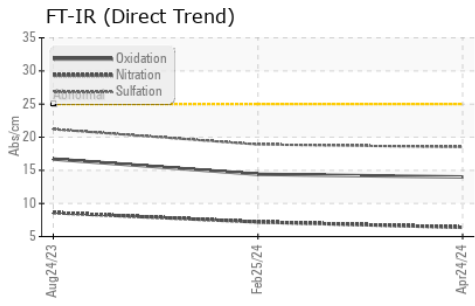
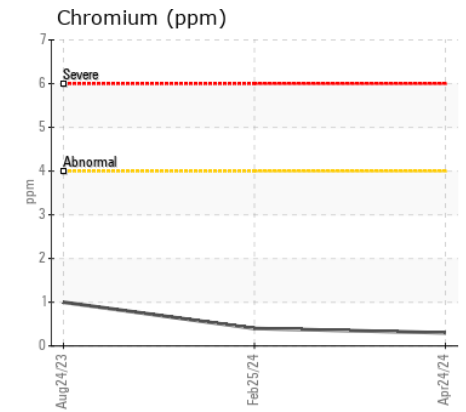
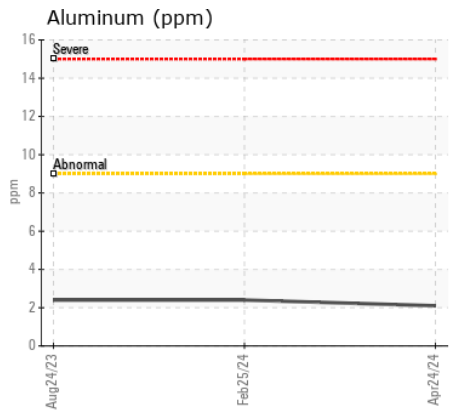
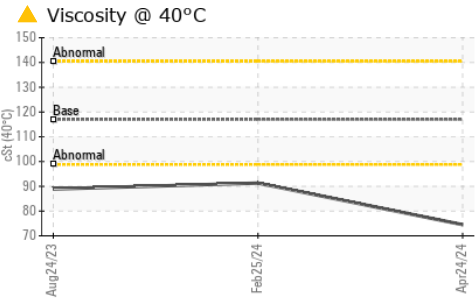
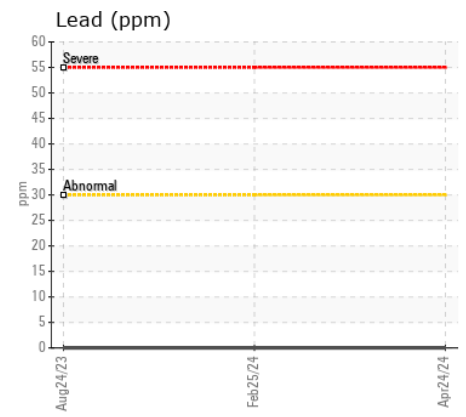
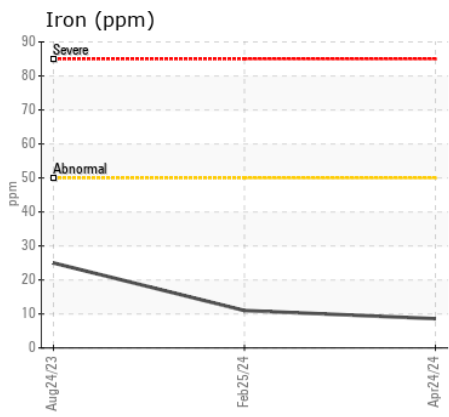
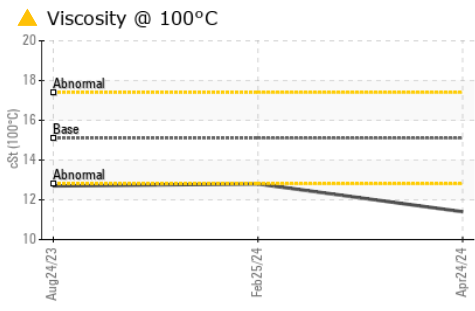
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>+100	1	3	5
Potassium	ppm	ASTM D5185(m)	>20	2	3	3
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	ASTM D7844*		0.1	0.1	0.3
Nitration	Abs/cm	ASTM D7624*	>20	6.4	7.2	8.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.5	18.9	21.2
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

La viscosité de l'échantillon se situe dans la portée de l'SAE 10W30; nous vous conseillons de vérifier. Ceci, en plus des niveaux d'additifs, indique que la marque ou le type d'huile ne correspond pas à ce qui a été signalé. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		4	1	4
Boron	ppm	ASTM D5185(m)	50	11	6	11
Barium	ppm	ASTM D5185(m)	5	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	50	59	54	59
Manganese	ppm	ASTM D5185(m)	0	<1	0	2
Magnesium	ppm	ASTM D5185(m)	560	933	859	940
Calcium	ppm	ASTM D5185(m)	1510	1077	1214	1099
Phosphorus	ppm	ASTM D5185(m)	780	974	990	990
Zinc	ppm	ASTM D5185(m)	870	1156	1167	1166
Sulfur	ppm	ASTM D5185(m)	2040	2490	2707	2356
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.0	14.4	16.7
Visc @ 40°C	cSt	ASTM D7279(m)	117.0	▲ 74.5	91.3	88.9
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	▲ 11.4	12.8	12.7
Viscosity Index (VI)	Scale	ASTM D2270*	134	145	137	140



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088684 **Received** : 26 Apr 2024
Lab Number : 02631538 **Tested** : 26 Apr 2024
Unique Number : 5772691 **Diagnosed** : 26 Apr 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: KV40, VI)

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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.