



Machine Id
801232

Component
Natural Gas Engine

Fluid
PETRO CANADA DURON GEO LD 15W40 (--- GAL)

RECOMMENDATION

Nous vous recommandons de vérifier la source de la fuite de fluide de refroidissement. Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons de rincer complètement le composant avant de le remplir l'huile. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

WEAR

Usure de piston.

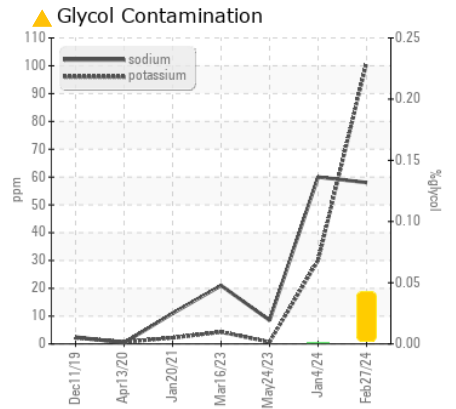
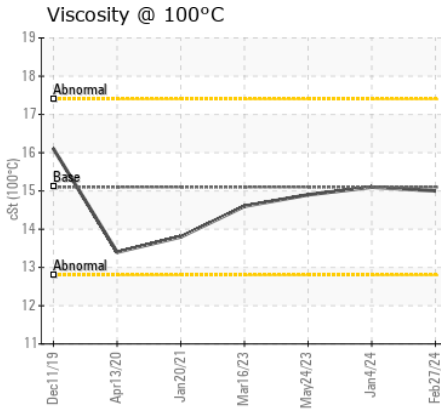
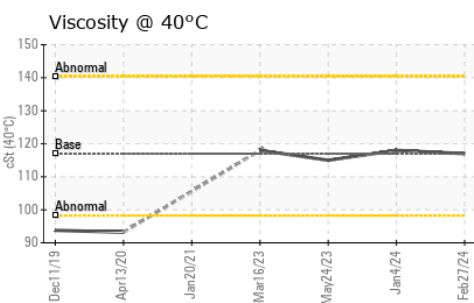
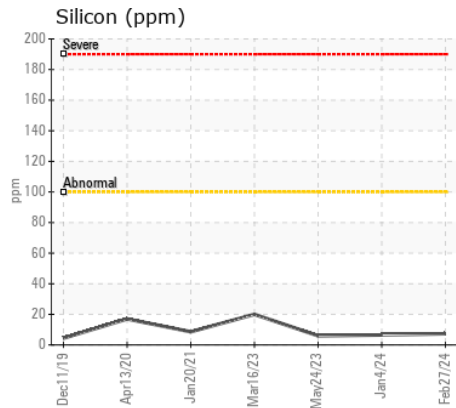
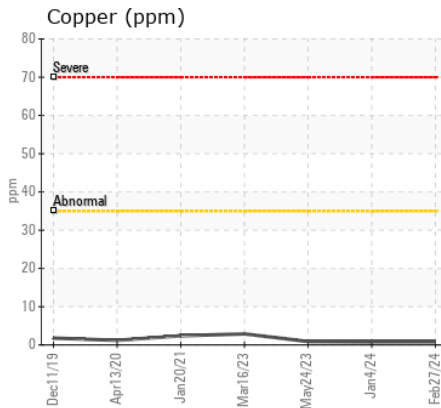
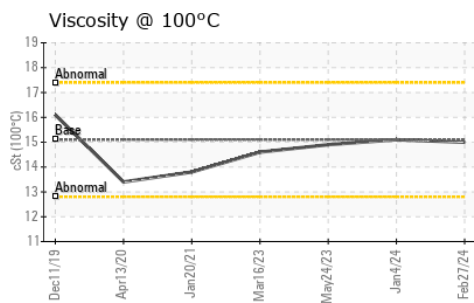
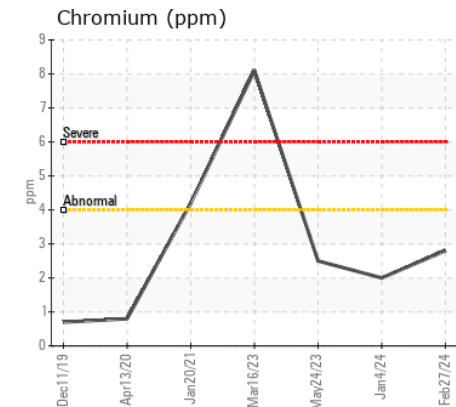
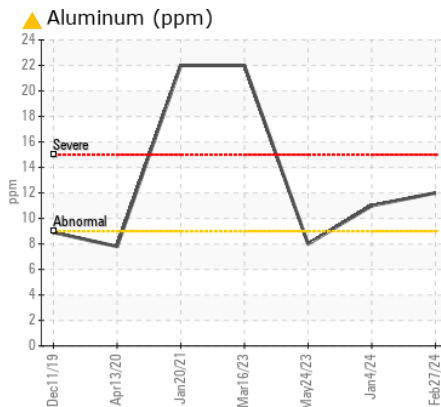
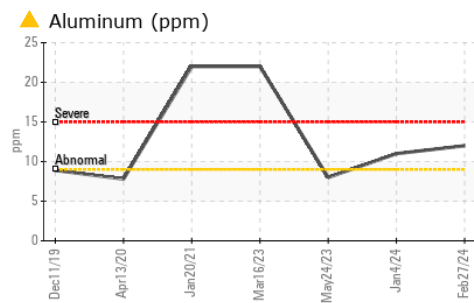
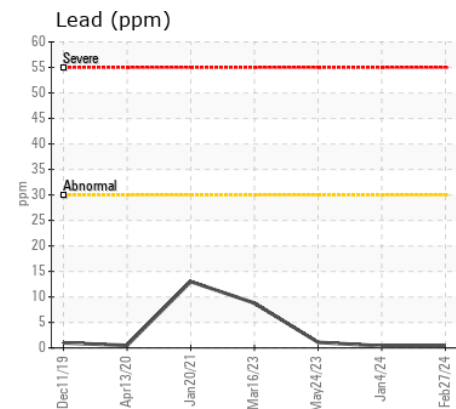
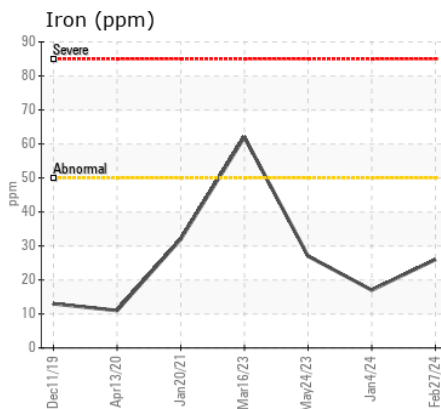
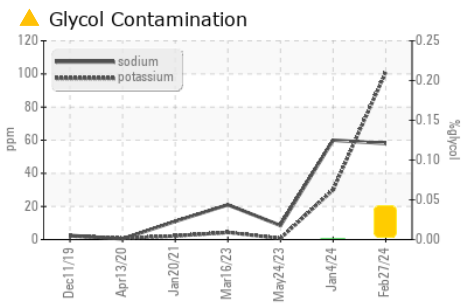
CONTAMINATION

Le test de glycol est positif. Concentration modérée de glycol dans l'huile.

FLUID CONDITION

L'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0081987	PC0081881	PC0066742
Sample Date		Client Info		27 Feb 2024	04 Jan 2024	24 May 2023
Machine Age	kms	Client Info		0	17728	249839
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	N/A
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>50	26	17	27
Chromium	ppm	ASTM D5185(m)	>4	3	2	2
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>9	▲ 12	11	8
Lead	ppm	ASTM D5185(m)	>30	<1	<1	1
Copper	ppm	ASTM D5185(m)	>35	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Silicon	ppm	ASTM D5185(m)	>+100	7	6	6
Potassium	ppm	ASTM D5185(m)	>20	▲ 101	30	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol	%	ASTM D7922*		▲ 0.042	0.0	---
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	10.7	10.6	10.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.3	22.7	20.8
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		● 58	60	8
Boron	ppm	ASTM D5185(m)	50	10	10	12
Barium	ppm	ASTM D5185(m)	5	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	53	53	51
Manganese	ppm	ASTM D5185(m)	0	0	0	<1
Magnesium	ppm	ASTM D5185(m)	560	546	534	573
Calcium	ppm	ASTM D5185(m)	1510	1627	1612	1652
Phosphorus	ppm	ASTM D5185(m)	780	732	714	797
Zinc	ppm	ASTM D5185(m)	870	891	897	892
Sulfur	ppm	ASTM D5185(m)	2040	2044	2108	2027
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.7	18.1	17.3
Visc @ 40°C	cSt	ASTM D7279(m)	117.0	117	118	115
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	15.0	15.1	14.9
Viscosity Index (VI)	Scale	ASTM D2270*	134	132	132	133



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0081987
Lab Number : 02618638
Unique Number : 5735748
Test Package : MOB 1 (Additional Tests: Glycol, KV40, VI)
Received : 28 Feb 2024
Tested : 28 Feb 2024
Diagnosed : 28 Feb 2024 - Wes Davis

GFL Environmental - 742 - Quebec City Solid Waste
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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.