

Machine Id
830017
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		PC0088546	PC0077566	PC0048038
Sample Date		Client Info		07 Jun 2024	18 Jul 2023	11 Jan 2023
Machine Age	kms	Client Info		128999	105031	87195
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 d'usure de tous les composants sont normaux.

Iron	ppm	ASTM D5185(m)	>90	40	34	61
Chromium	ppm	ASTM D5185(m)	>20	2	2	4
Nickel	ppm	ASTM D5185(m)	>2	2	1	2
Titanium	ppm	ASTM D5185(m)	>2	<1	<1	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	15	16	17
Lead	ppm	ASTM D5185(m)	>40	7	4	7
Copper	ppm	ASTM D5185(m)	>330	4	1	3
Tin	ppm	ASTM D5185(m)	>15	1	1	2
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	---	---	VLITE
Yellow Metal	scalar	Visual*	NONE	---	---	NONE

CONTAMINATION

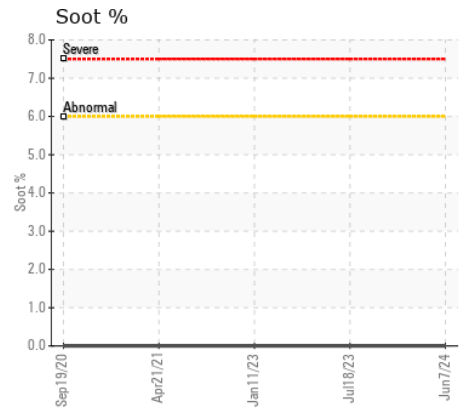
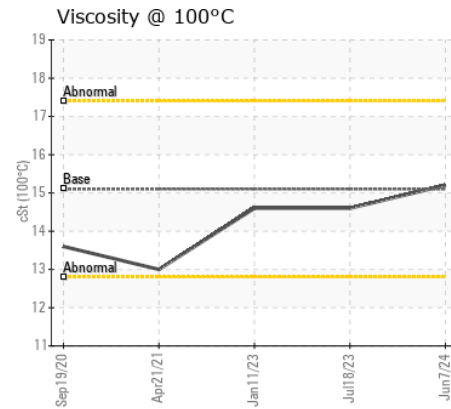
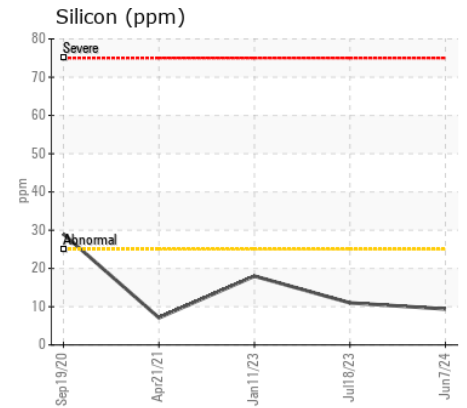
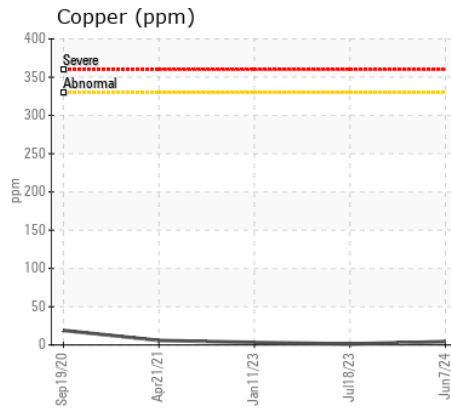
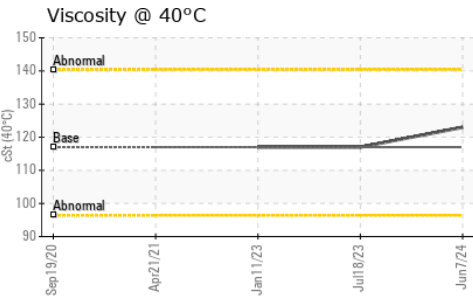
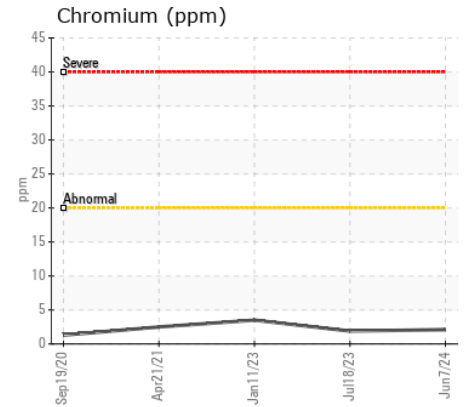
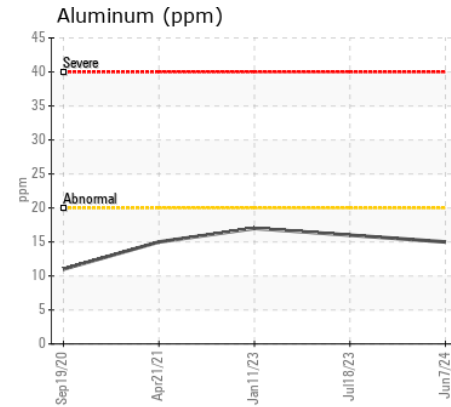
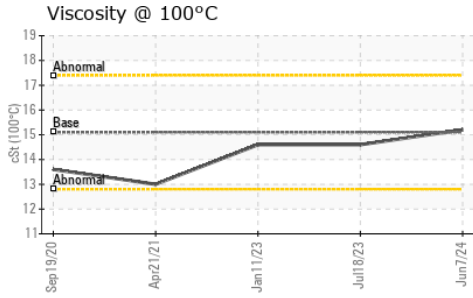
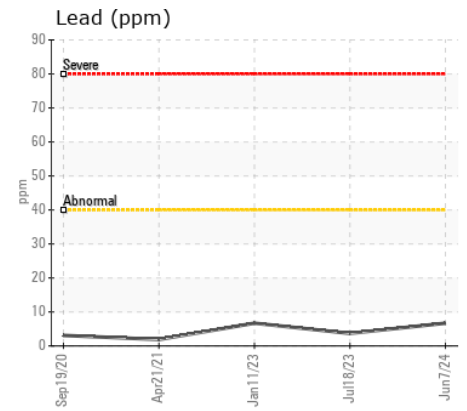
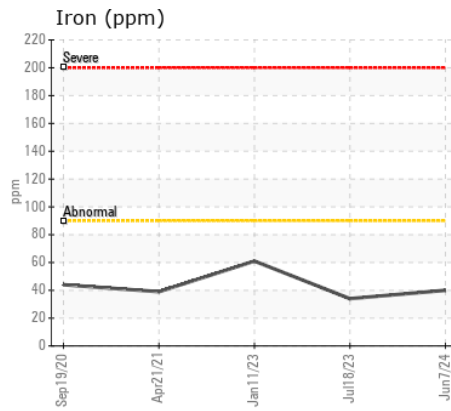
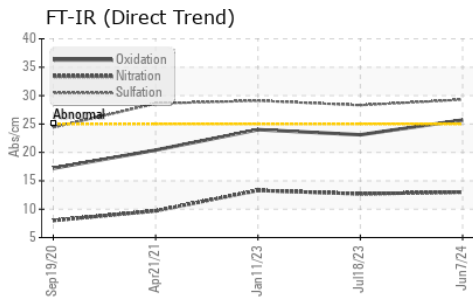
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	9	11	18
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	1
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>6	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	13.0	12.7	13.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	29.3	28.3	29.1
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)		10	9	11
Boron	ppm	ASTM D5185(m)	50	14	7	9
Barium	ppm	ASTM D5185(m)	5	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	50	67	59	64
Manganese	ppm	ASTM D5185(m)	0	1	1	2
Magnesium	ppm	ASTM D5185(m)	560	800	692	658
Calcium	ppm	ASTM D5185(m)	1510	1884	1760	1876
Phosphorus	ppm	ASTM D5185(m)	780	924	943	960
Zinc	ppm	ASTM D5185(m)	870	1112	1005	1043
Sulfur	ppm	ASTM D5185(m)	2040	2192	2080	2121
Oxidation	Abs/.1mm	ASTM D7414*	>25	25.7	23.1	24.0
Visc @ 40°C	cSt	ASTM D7279(m)	117.0	123	117	117
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	15.2	14.6	14.6
Viscosity Index (VI)	Scale	ASTM D2270*	134	128	127	127



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088546
Lab Number : 02642501
Unique Number : 5800040
Test Package : MOB 1 (Additional Tests: KV40, VI, Visual)

Received : 18 Jun 2024
Tested : 18 Jun 2024
Diagnosed : 19 Jun 2024 - Kevin Marson

GFL Environmental - 742 - Quebec City Solid Waste
 5160 Jean-Talon Pierre-Bertrand Bou
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 CA G2J 1B7
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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.