



Machine Id
901129
Component
Diesel Engine
Fluid
PETRO CANADA DURON SAE 10W30 (--- 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		PC0083795	PC0078007	PC0073173
Sample Date		Client Info		27 Feb 2024	12 Sep 2023	31 Aug 2023
Machine Age	kms	Client Info		247162	235652	239102
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>120	10	4	17
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	0	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	<1	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	4	<1	3
Lead	ppm	ASTM D5185(m)	>40	<1	0	<1
Copper	ppm	ASTM D5185(m)	>330	1	1	5
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

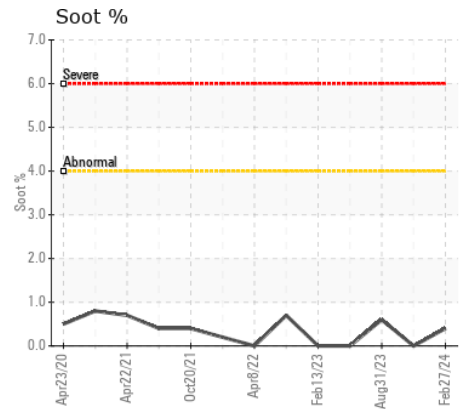
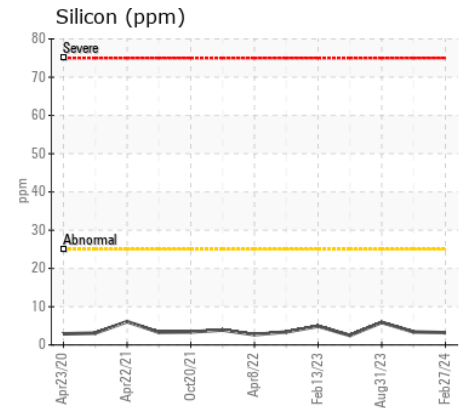
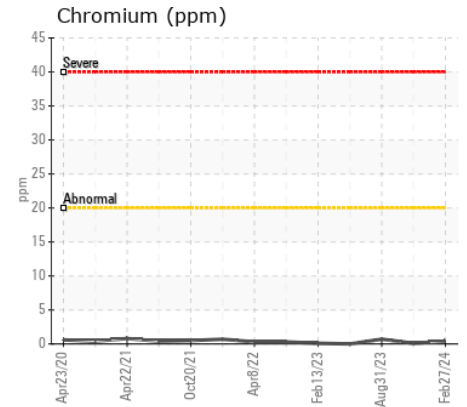
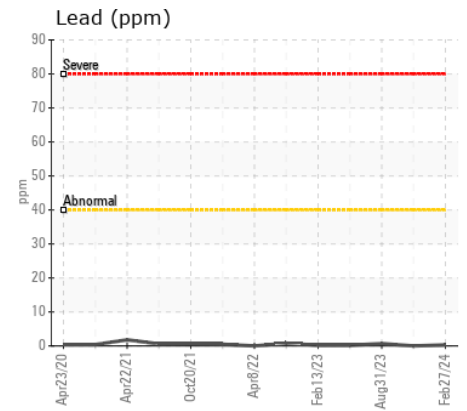
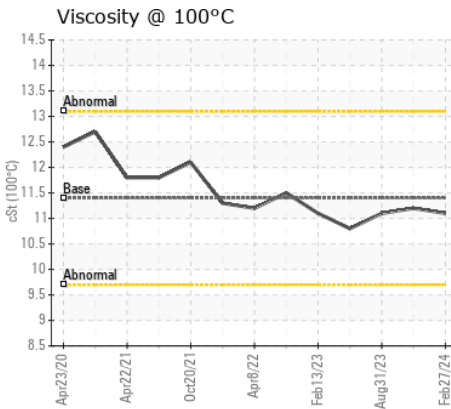
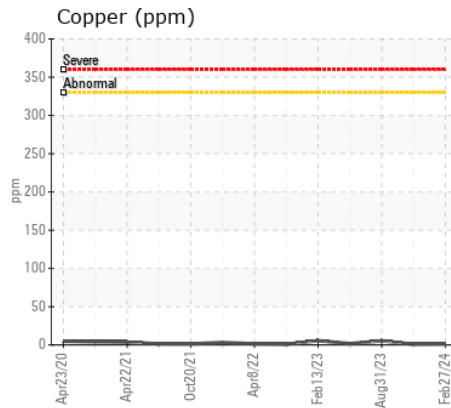
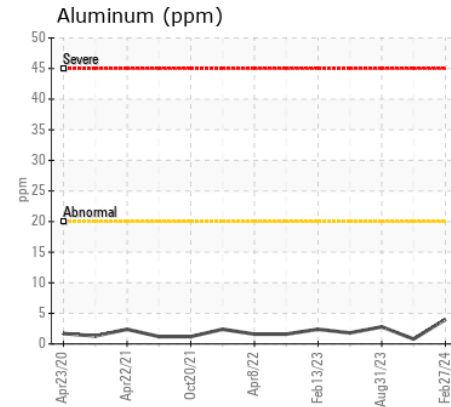
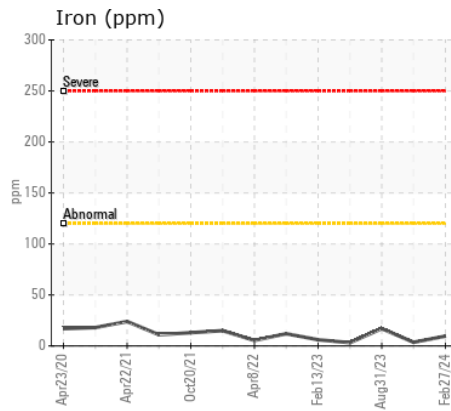
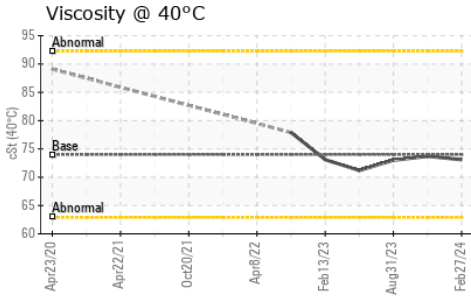
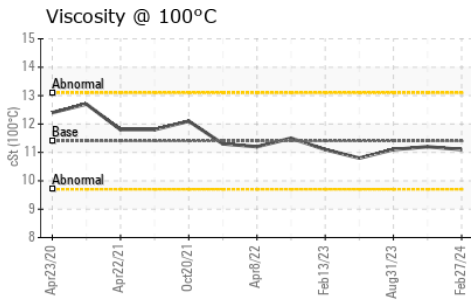
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	3	3	6
Potassium	ppm	ASTM D5185(m)	>20	2	0	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*	>4	0.4	0	0.6
Nitration	Abs/cm	ASTM D7624*	>20	8.3	5.2	8.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.5	18.4	21.8
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)		6	5	12
Boron	ppm	ASTM D5185(m)	1	4	6	5
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	1	60	57	58
Manganese	ppm	ASTM D5185(m)	1	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	10	947	927	933
Calcium	ppm	ASTM D5185(m)	2942	1049	1021	1016
Phosphorus	ppm	ASTM D5185(m)	1102	985	1037	994
Zinc	ppm	ASTM D5185(m)	1351	1150	1140	1141
Sulfur	ppm	ASTM D5185(m)	3903	2561	2557	2256
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.3	13.8	15.7
Visc @ 40°C	cSt	ASTM D7279(m)	74.0	73.1	73.7	73.0
Visc @ 100°C	cSt	ASTM D7279(m)	11.4	11.1	11.2	11.1
Viscosity Index (VI)	Scale	ASTM D2270*	146	142	143	142



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0083795
Lab Number : 02620763
Unique Number : 5737873
Test Package : MOB 1 (Additional Tests: KV40, VI)

Received : 08 Mar 2024
Tested : 08 Mar 2024
Diagnosed : 08 Mar 2024 - Wes Davis

GFL Environmental - 742 - Quebec City Solid Waste
 5160 Jean-Talon Pierre-Bertrand Bou
 Quebec City, QC
 CA G2J 1B7
 Contact: Jean Audet
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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.