



Machine Id
912074
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 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		PC0088469	PC0083993	PC0077966
Sample Date		Client Info		12 Apr 2024	31 Jan 2024	30 Oct 2023
Machine Age	kms	Client Info		168460	98414	86668
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>120	11	13	14
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	2	3	1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	1	2	1
Lead	ppm	ASTM D5185(m)	>40	0	<1	<1
Copper	ppm	ASTM D5185(m)	>330	2	3	3
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

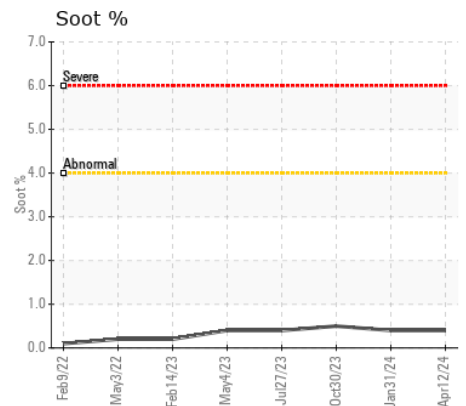
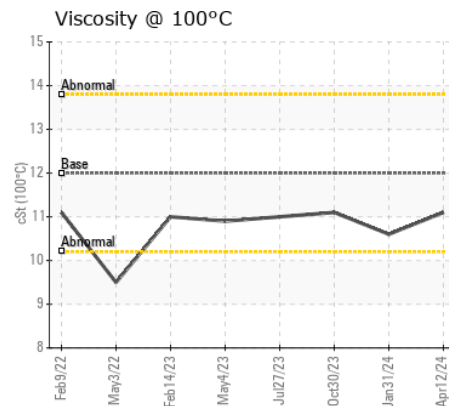
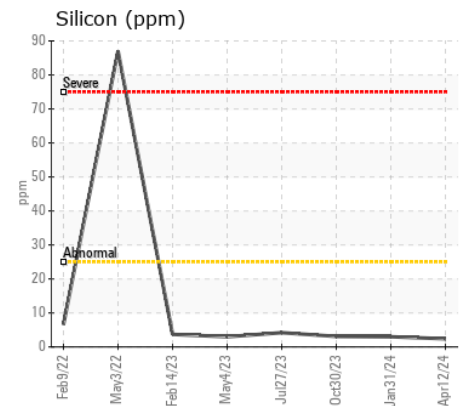
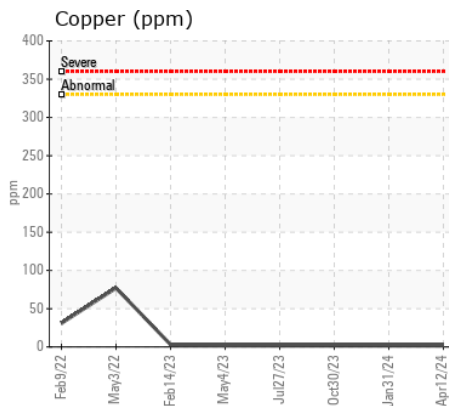
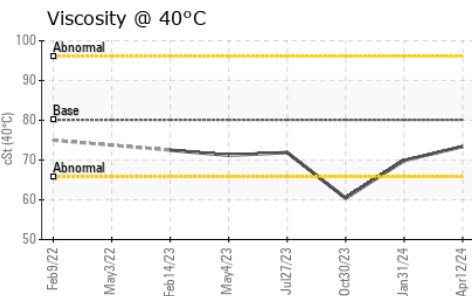
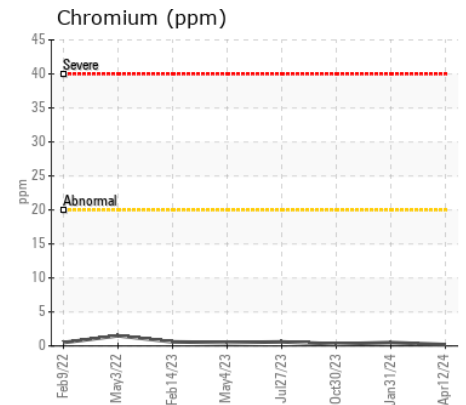
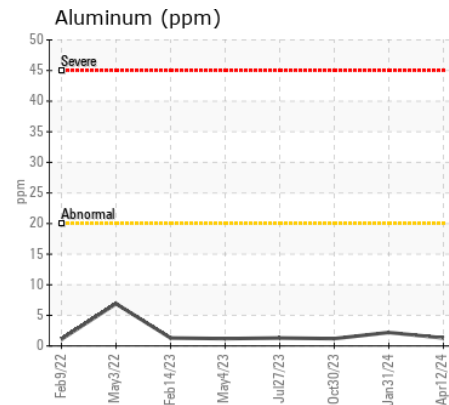
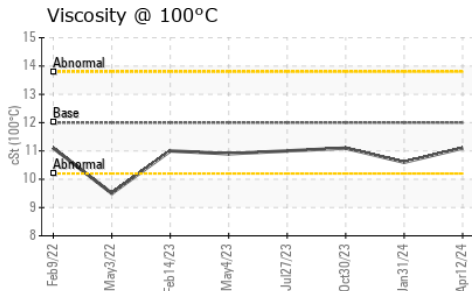
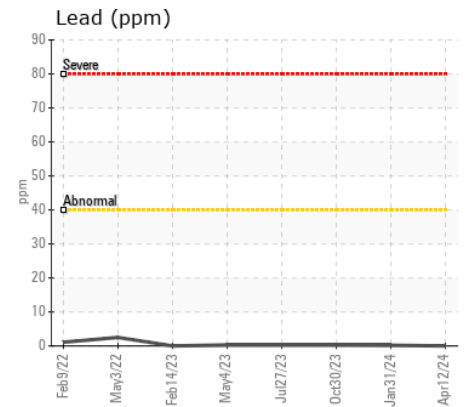
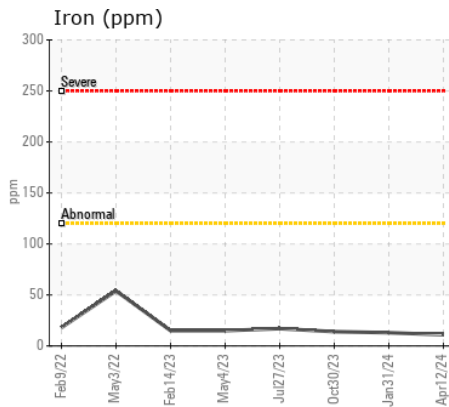
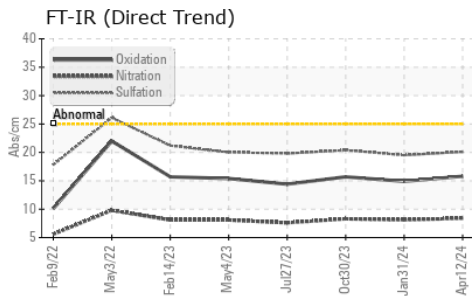
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	2	3	3
Potassium	ppm	ASTM D5185(m)	>20	<1	1	0
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	0.4	0.5
Nitration	Abs/cm	ASTM D7624*	>20	8.4	8.1	8.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.1	19.5	20.4
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)		4	1	2
Boron	ppm	ASTM D5185(m)	2	8	6	5
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	59	58	62
Manganese	ppm	ASTM D5185(m)	0	<1	0	0
Magnesium	ppm	ASTM D5185(m)	950	926	927	967
Calcium	ppm	ASTM D5185(m)	1050	1045	1138	1083
Phosphorus	ppm	ASTM D5185(m)	995	933	962	963
Zinc	ppm	ASTM D5185(m)	1180	1127	1156	1174
Sulfur	ppm	ASTM D5185(m)	2600	2259	2447	2213
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.8	14.9	15.7
Visc @ 40°C	cSt	ASTM D7279(m)	80.1	73.4	69.9	60.4
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.1	10.6	11.1
Viscosity Index (VI)	Scale	ASTM D2270*	144	141	139	178



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088469
Lab Number : 02630074
Unique Number : 5763206
Test Package : MOB 1 (Additional Tests: KV40, VI)
Received : 19 Apr 2024
Tested : 19 Apr 2024
Diagnosed : 19 Apr 2024 - Kevin Marson

GFL Environmental - 742 - Quebec City Solid Waste
 5160 Jean-Talon Pierre-Bertrand Bou
 Quebec City, QC
 CA G2J 1B7
 Contact: Jean Audet
 Jaudet@matrec.ca
 T: (418)624-0080
 F:

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.