



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
701118
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		PC0088240	PC0071748	PC0059885
Sample Date		Client Info		07 May 2024	16 May 2023	08 Jun 2022
Machine Age	kms	Client Info		215838	0	207264
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>100	12	16	31
Chromium	ppm	ASTM D5185(m)	>20	0	0	<1
Nickel	ppm	ASTM D5185(m)	>4	0	<1	0
Titanium	ppm	ASTM D5185(m)		<1	<1	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	2	4
Lead	ppm	ASTM D5185(m)	>40	0	<1	<1
Copper	ppm	ASTM D5185(m)	>330	1	2	1
Tin	ppm	ASTM D5185(m)	>15	0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

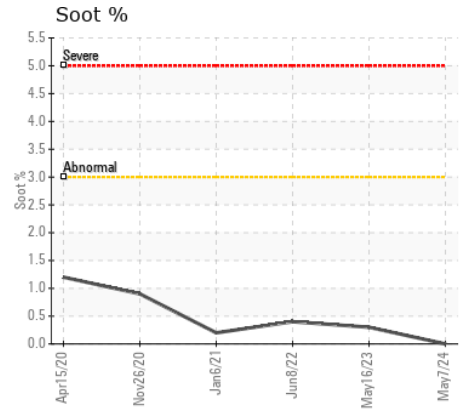
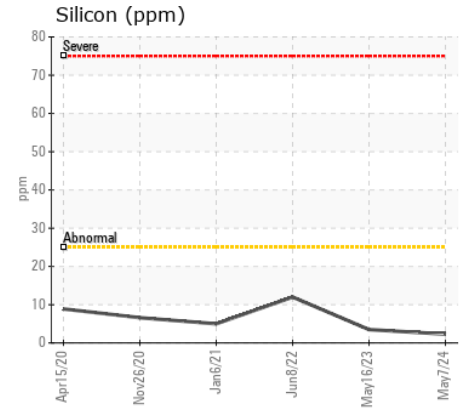
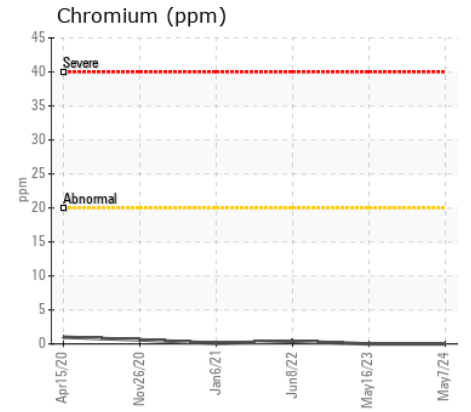
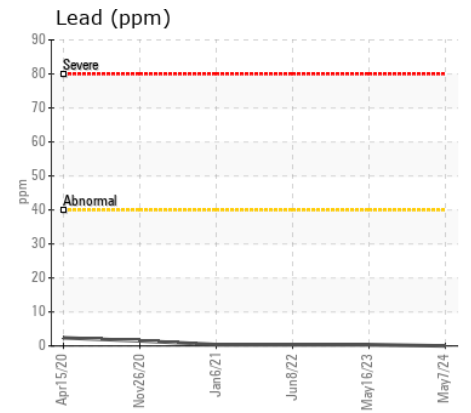
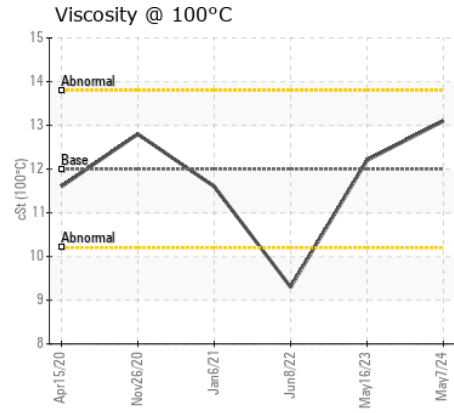
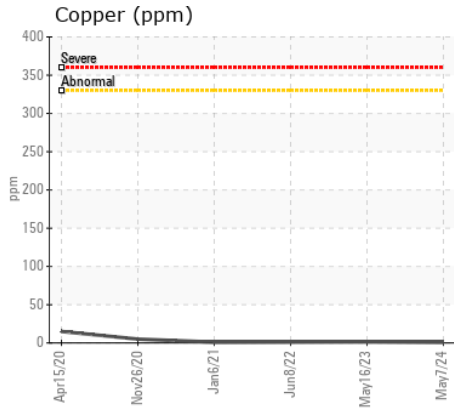
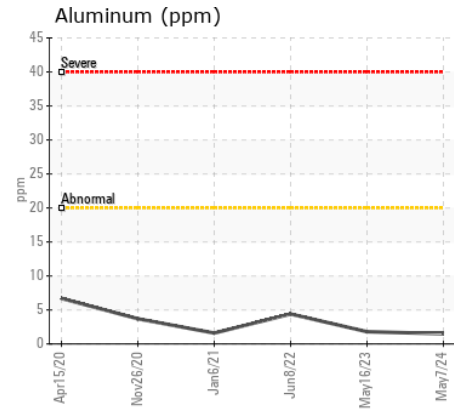
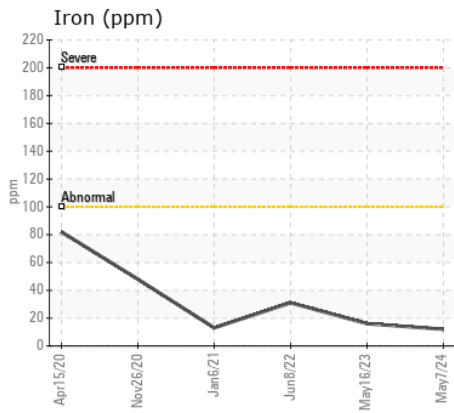
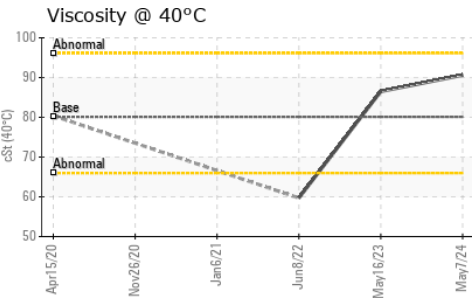
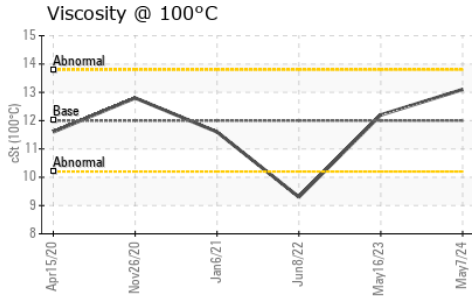
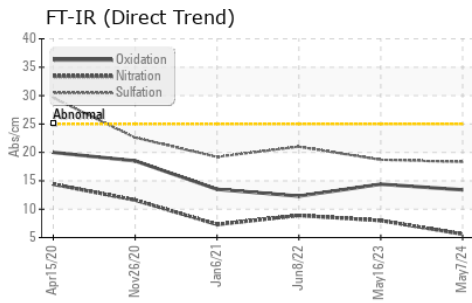
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	2	4	12
Potassium	ppm	ASTM D5185(m)	>20	<1	0	2
Fuel		WC Method	>5	<1.0	<1.0	1
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0	0.3	0.4
Nitration	Abs/cm	ASTM D7624*	>20	5.6	8.0	8.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.3	18.7	21.0
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)		2	2	3
Boron	ppm	ASTM D5185(m)	2	17	12	45
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	54	66	159
Manganese	ppm	ASTM D5185(m)	0	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	950	840	949	579
Calcium	ppm	ASTM D5185(m)	1050	1392	1204	1410
Phosphorus	ppm	ASTM D5185(m)	995	1070	1137	769
Zinc	ppm	ASTM D5185(m)	1180	1191	1234	887
Sulfur	ppm	ASTM D5185(m)	2600	3013	2787	1982
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.4	14.4	12.3
Visc @ 40°C	cSt	ASTM D7279(m)	80.1	90.6	86.5	▲ 59.7
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	13.1	12.2	9.3
Viscosity Index (VI)	Scale	ASTM D2270*	144	143	135	136



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088240
Lab Number : 02634274
Unique Number : 5775427
Test Package : MOB 1 (Additional Tests: KV40, VI)
Received : 09 May 2024
Tested : 09 May 2024
Diagnosed : 09 May 2024 - Wes Davis

GFL Environmental - 737 - Quebec City Hauling
 6205 Boul. Wilfrid Hamel,
 Quebec City, QC
 CA G2E 5G8
 Contact: Dave Beaulieu
 davebeaulieu@matrec.ca

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.