



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
5670
 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		PC0088184	PC0071838	GFL0047294
Sample Date		Client Info		18 Apr 2024	09 May 2023	23 Mar 2022
Machine Age	hrs	Client Info		796091	709559	546544
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>80	37	41	27
Chromium	ppm	ASTM D5185(m)	>5	3	3	1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		<1	<1	0
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>30	5	6	7
Lead	ppm	ASTM D5185(m)	>30	0	<1	<1
Copper	ppm	ASTM D5185(m)	>150	7	10	17
Tin	ppm	ASTM D5185(m)	>5	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	<1	0
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

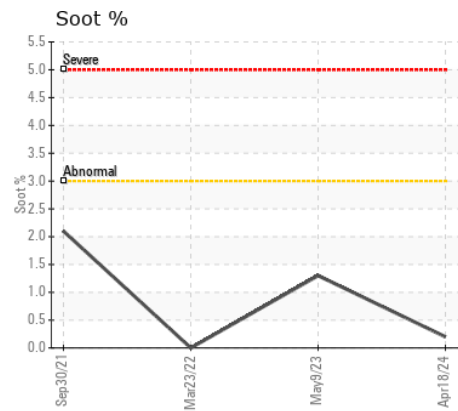
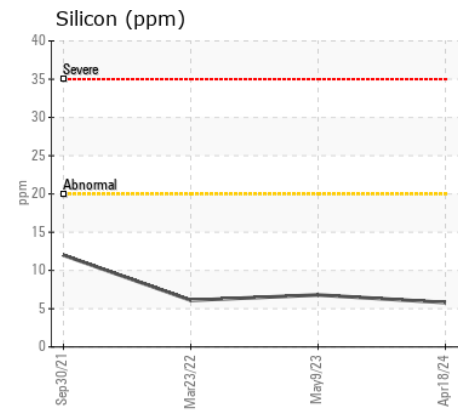
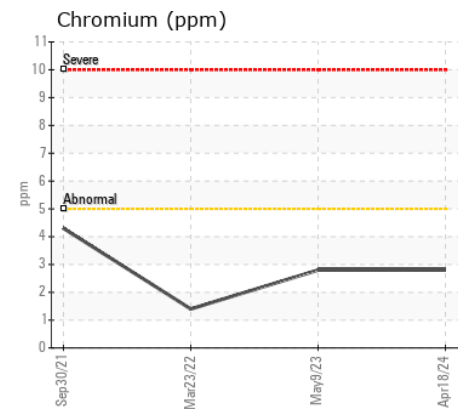
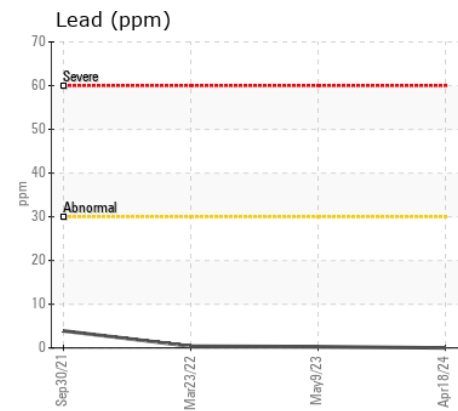
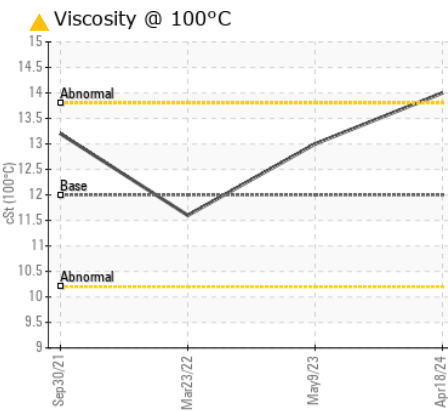
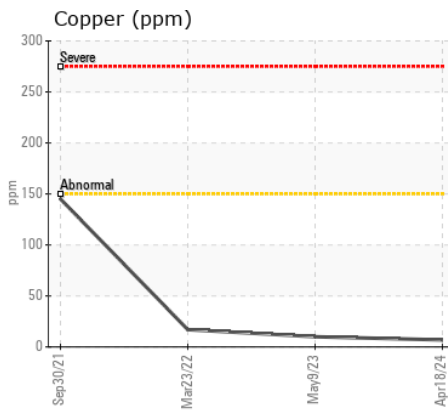
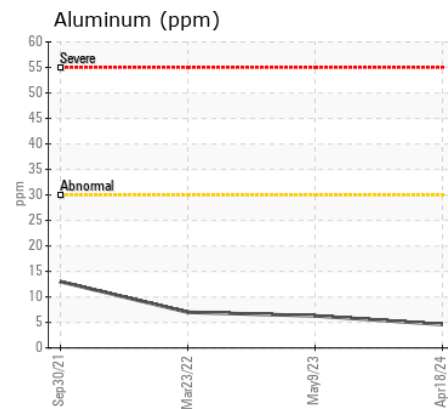
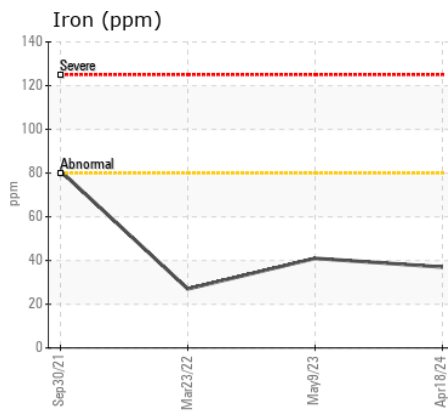
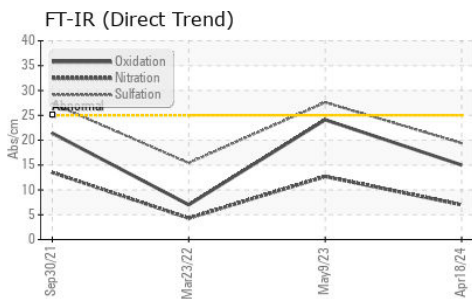
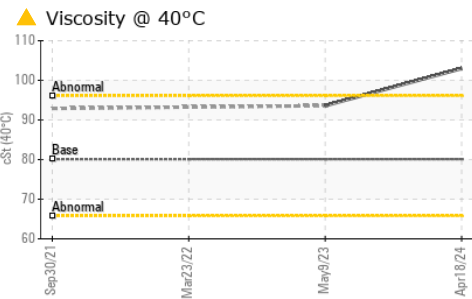
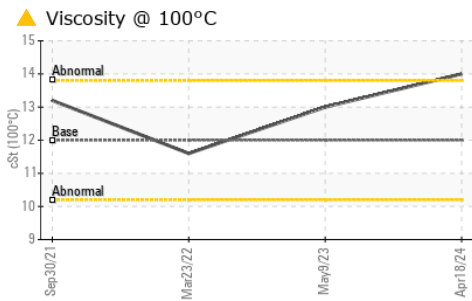
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>20	6	7	6
Potassium	ppm	ASTM D5185(m)	>20	1	3	4
Fuel		WC Method	>5	<1.0	<1.0	0.3
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.2	1.3	0
Nitration	Abs/cm	ASTM D7624*	>20	7.0	12.7	4.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.4	27.6	15.4
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

La viscosité de l'échantillon se situe dans la portée de l'SAE 15W40; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		10	10	4
Boron	ppm	ASTM D5185(m)	2	6	13	10
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	59	69	18
Manganese	ppm	ASTM D5185(m)	0	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	950	950	1054	271
Calcium	ppm	ASTM D5185(m)	1050	1116	1376	2125
Phosphorus	ppm	ASTM D5185(m)	995	984	1211	990
Zinc	ppm	ASTM D5185(m)	1180	1167	1354	1180
Sulfur	ppm	ASTM D5185(m)	2600	2469	2463	2725
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.0	24.1	7.0
Visc @ 40°C	cSt	ASTM D7279(m)	80.1	▲ 103	93.6	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	▲ 14.0	13.0	11.6
Viscosity Index (VI)	Scale	ASTM D2270*	144	137	136	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088184
Lab Number : 02630476
Unique Number : 5763608
Test Package : MOB 1 (Additional Tests: KV40, VI, Visual)

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.

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F: