



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL



Machine Id
801233
Component
Natural Gas Engine
Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION

Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage.
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		PC0088605	PC0083986	GFL0010705
Sample Date		Client Info		23 May 2024	12 Feb 2024	28 Jul 2020
Machine Age	kms	Client Info		258873	245771	0
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				ABNORMAL	NORMAL	ABNORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>50	13	26	28
Chromium	ppm	ASTM D5185(m)	>4	<1	1	▲ 5
Nickel	ppm	ASTM D5185(m)	>2	0	1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>9	4	10	22
Lead	ppm	ASTM D5185(m)	>30	0	1	2
Copper	ppm	ASTM D5185(m)	>35	1	3	4
Tin	ppm	ASTM D5185(m)	>4	<1	1	1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

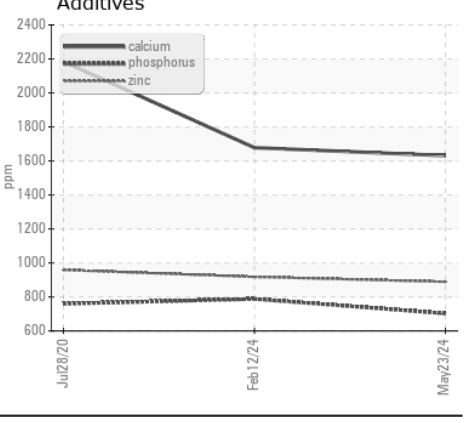
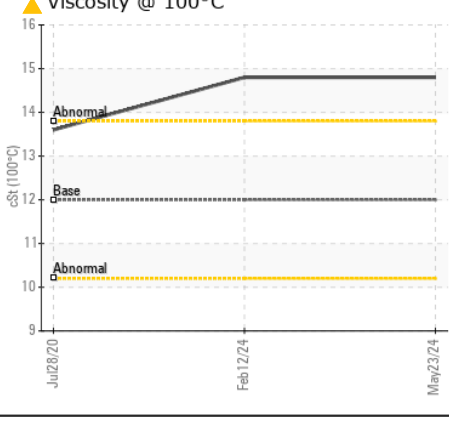
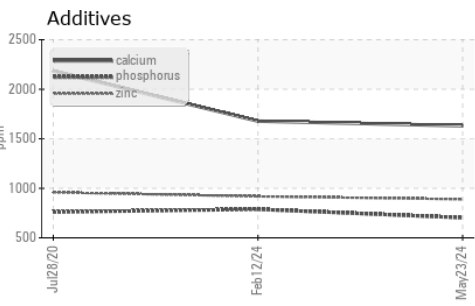
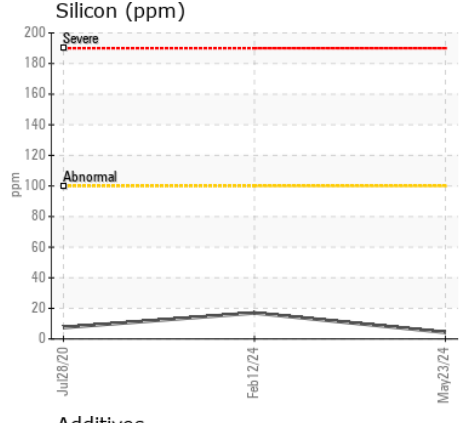
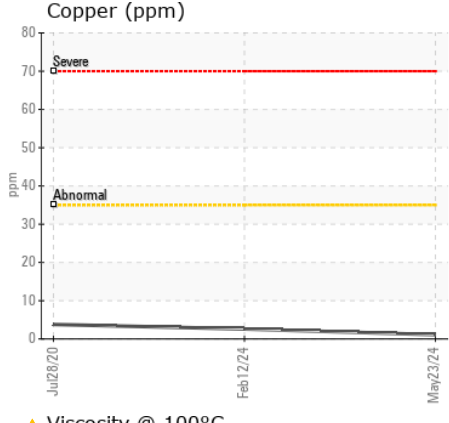
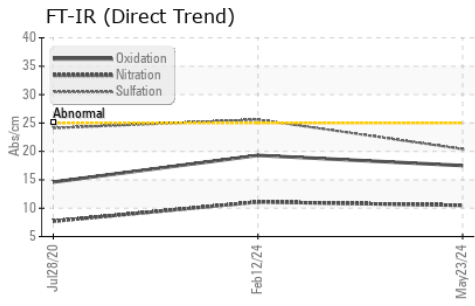
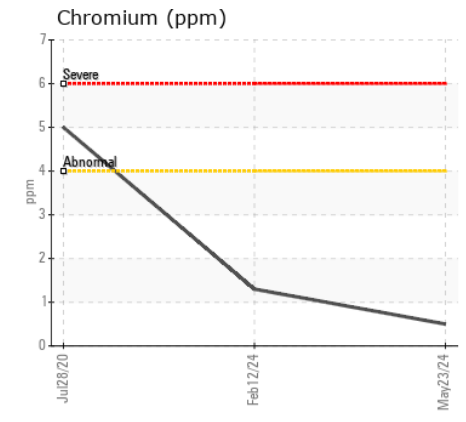
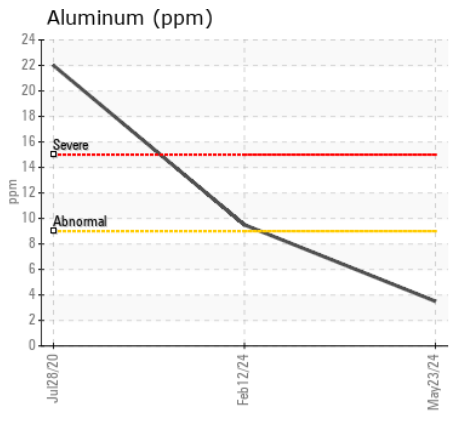
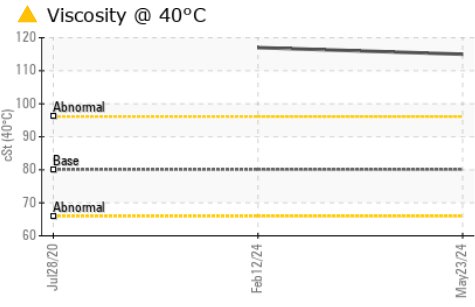
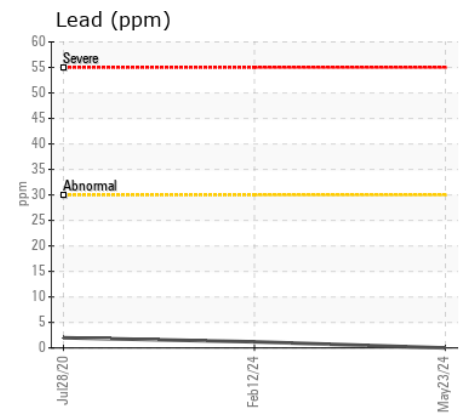
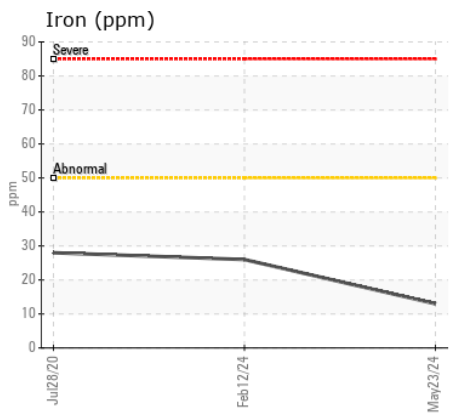
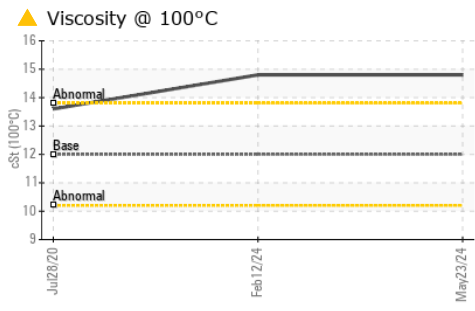
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>+100	4	17	8
Potassium	ppm	ASTM D5185(m)	>20	<1	3	2
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	10.5	11.1	7.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.4	25.6	24.1
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

La viscosité de l'échantillon se situe dans la portée de l'SAE 15W40; nous vous conseillons de vérifier. Ceci, en plus des niveaux d'additifs, indique que la marque ou le type d'huile ne correspond pas à ce qui a été signalé. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		7	5	8
Boron	ppm	ASTM D5185(m)	2	16	9	5
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	54	71	122
Manganese	ppm	ASTM D5185(m)	0	<1	4	1
Magnesium	ppm	ASTM D5185(m)	950	526	555	146
Calcium	ppm	ASTM D5185(m)	1050	1631	1678	2185
Phosphorus	ppm	ASTM D5185(m)	995	703	788	760
Zinc	ppm	ASTM D5185(m)	1180	889	918	959
Sulfur	ppm	ASTM D5185(m)	2600	1969	2223	2116
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.5	19.3	14.6
Visc @ 40°C	cSt	ASTM D7279(m)	80.1	▲ 115	117	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	▲ 14.8	14.8	13.6
Viscosity Index (VI)	Scale	ASTM D2270*	144	132	129	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088605
Lab Number : 02639760
Unique Number : 5788922
Test Package : MOB 1 (Additional Tests: KV40, VI, Visual)
Received : 05 Jun 2024
Tested : 05 Jun 2024
Diagnosed : 06 Jun 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.