



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
913136
Component
Front Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (38 LTR)

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		GFL0113518	GFL0091124	GFL0079106
Sample Date		Client Info		06 Jun 2024	18 Dec 2023	28 Aug 2023
Machine Age	hrs	Client Info		2652	2006	1414
Oil Age	hrs	Client Info		646	592	496
Filter Age	hrs	Client Info		646	592	496
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	SEVERE	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>120	17	17	15
Chromium	ppm	ASTM D5185(m)	>20	<1	1	<1
Nickel	ppm	ASTM D5185(m)	>5	7	▲ 22	8
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	2	2
Lead	ppm	ASTM D5185(m)	>40	0	<1	2
Copper	ppm	ASTM D5185(m)	>330	3	10	65
Tin	ppm	ASTM D5185(m)	>15	1	2	2
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

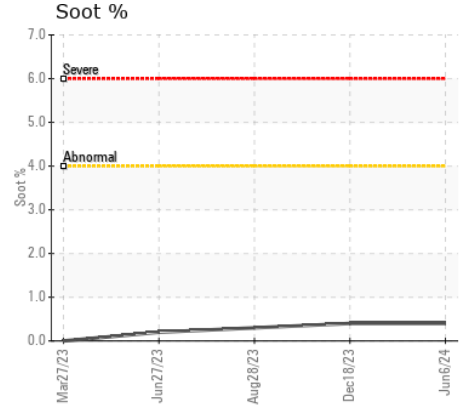
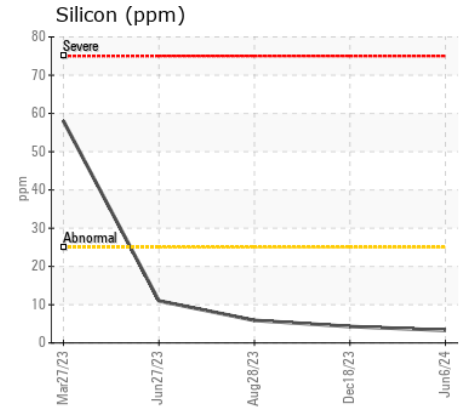
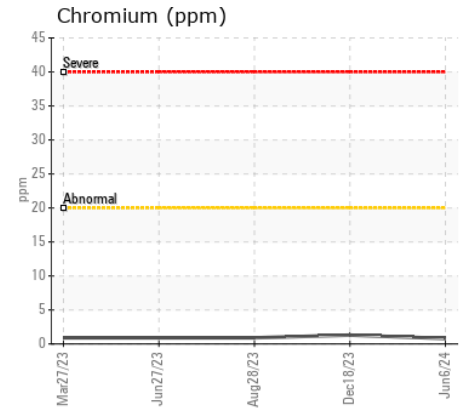
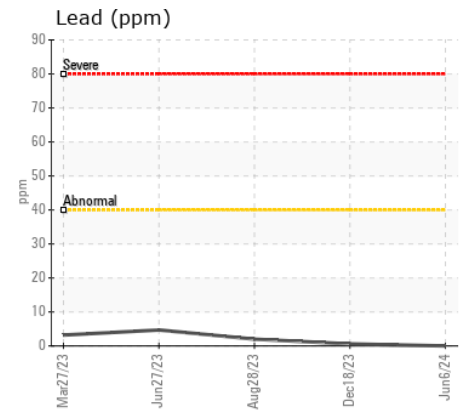
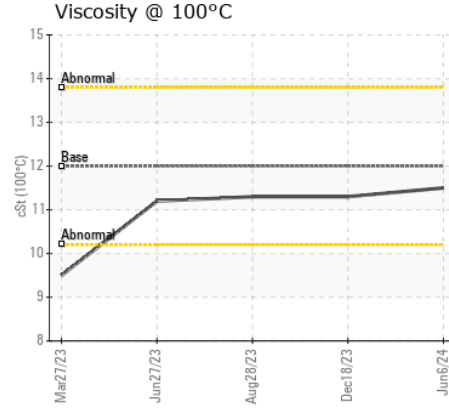
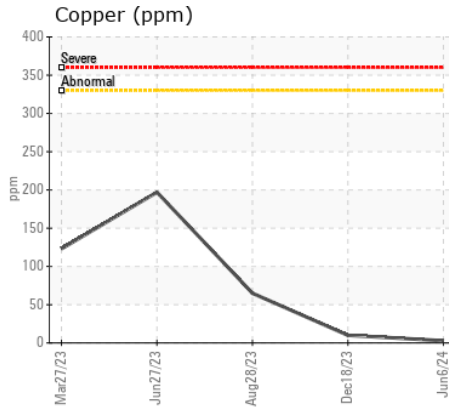
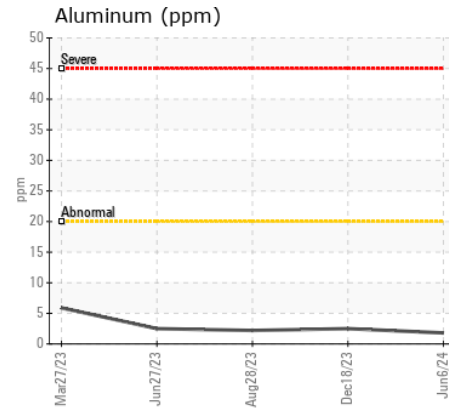
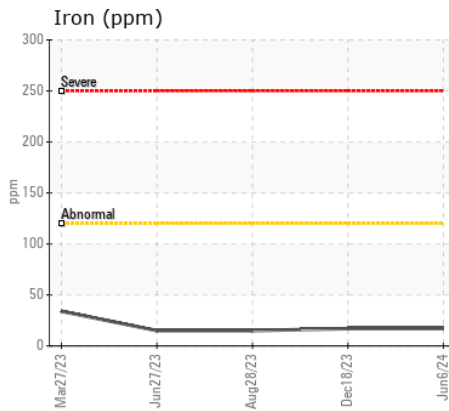
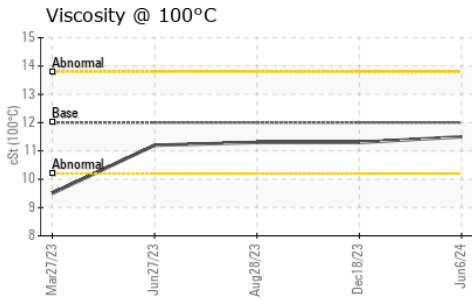
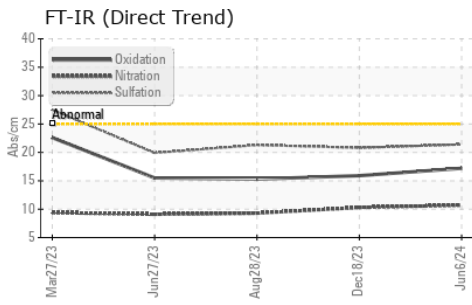
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	3	4	6
Potassium	ppm	ASTM D5185(m)	>20	2	3	3
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	0.3
Nitration	Abs/cm	ASTM D7624*	>20	10.7	10.3	9.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.4	20.8	21.3
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
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	2
Boron	ppm	ASTM D5185(m)	2	7	11	13
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	65	70	71
Manganese	ppm	ASTM D5185(m)	0	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	950	867	639	664
Calcium	ppm	ASTM D5185(m)	1050	1223	1442	1431
Phosphorus	ppm	ASTM D5185(m)	995	951	934	1013
Zinc	ppm	ASTM D5185(m)	1180	1194	1140	1154
Sulfur	ppm	ASTM D5185(m)	2600	2454	2649	2475
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.2	15.9	15.3
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.5	11.3	11.3



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0113518 **Received** : 10 Jun 2024
Lab Number : 02640660 **Tested** : 10 Jun 2024
Unique Number : 5789822 **Diagnosed** : 10 Jun 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: Visual)

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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