



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL



Area
{UNASSIGNED}
Machine Id
911039
Component
Right Diesel Engine
Fluid
PETRO CANADA DURON SHP 15W40 (--- 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		GFL0107609	GFL0107647	GFL0096346
Sample Date		Client Info		12 Jun 2024	26 Mar 2024	18 Oct 2023
Machine Age	kms	Client Info		146987	135737	1135239
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	N/A
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>120	8	8	11
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	<1	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	2	4
Lead	ppm	ASTM D5185(m)	>40	0	0	<1
Copper	ppm	ASTM D5185(m)	>330	<1	<1	3
Tin	ppm	ASTM D5185(m)	>15	<1	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

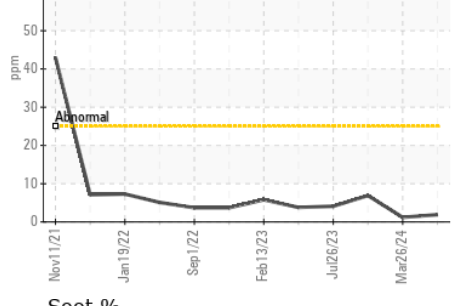
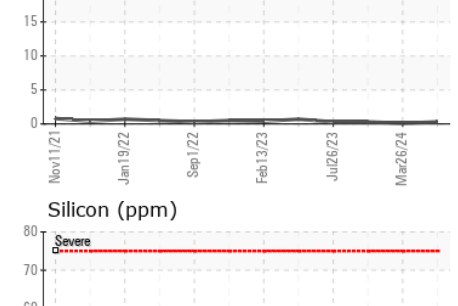
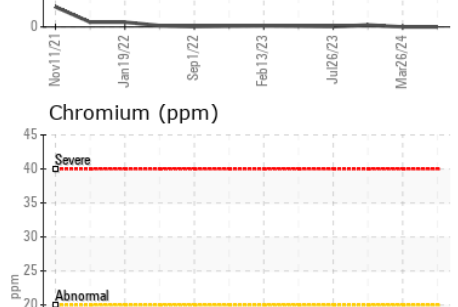
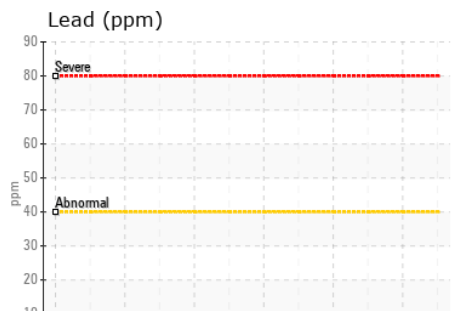
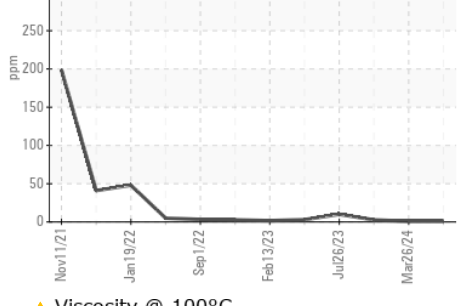
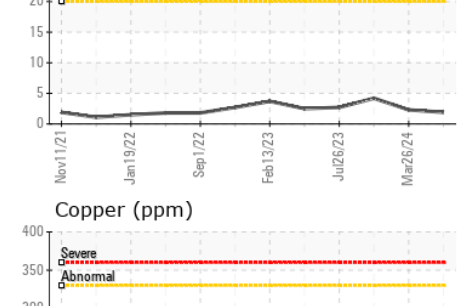
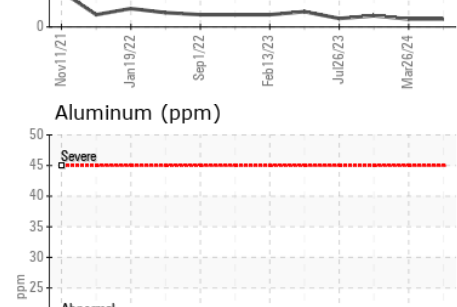
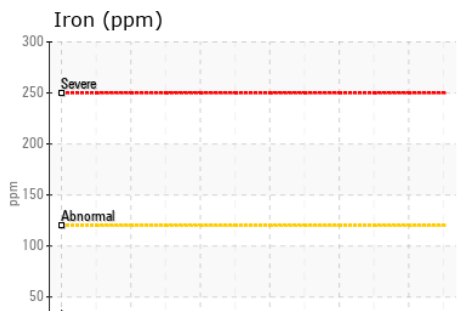
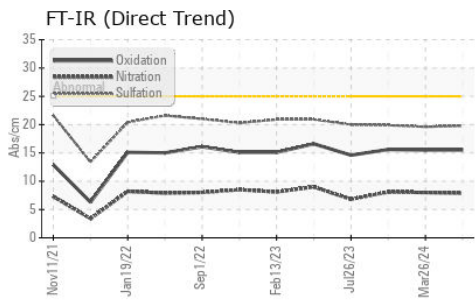
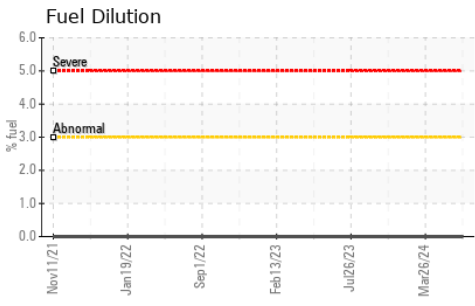
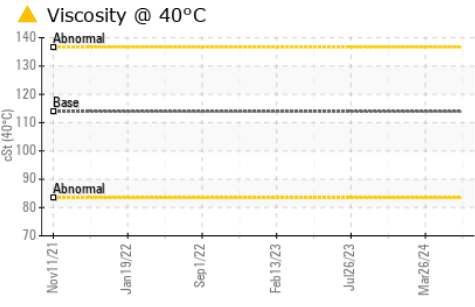
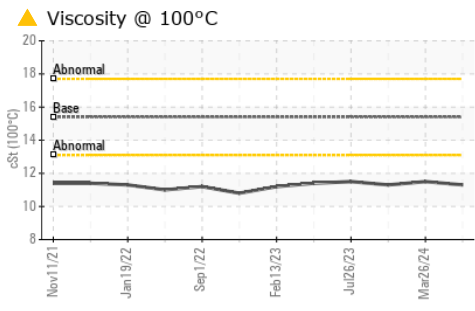
Les tests n'indiquent aucune trace de carburant dans l'huile. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	2	1	7
Potassium	ppm	ASTM D5185(m)	>20	2	2	6
Fuel	%	ASTM D7593*	>3.0	0.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>4	0.4	0.3	0.5
Nitration	Abs/cm	ASTM D7624*	>20	7.9	8.0	8.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.8	19.6	19.9
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

La viscosité de l'échantillon se situe dans la portée de l'SAE 10W30; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		6	5	10
Boron	ppm	ASTM D5185(m)	0	<1	1	2
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	58	58	62
Manganese	ppm	ASTM D5185(m)	0	<1	0	0
Magnesium	ppm	ASTM D5185(m)	1010	949	957	1007
Calcium	ppm	ASTM D5185(m)	1070	1029	1061	1081
Phosphorus	ppm	ASTM D5185(m)	1150	948	983	992
Zinc	ppm	ASTM D5185(m)	1270	1187	1172	1184
Sulfur	ppm	ASTM D5185(m)	2060	2407	2456	2375
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.5	15.5	15.6
Visc @ 40°C	cSt	ASTM D7279(m)	113.9	▲ 74.1	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	▲ 11.3	11.5	11.3
Viscosity Index (VI)	Scale	ASTM D2270*	142	144	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0107609
Lab Number : 02643104
Unique Number : 5800643
Test Package : MOB 1 (Additional Tests: FuelDilution, KV40, PercentFuel, VI)

GFL Environmental - 747 - GMA - Solid Waste
 4 Chemin du Tremblay,
 Boucherville, QC
 CA J4B 6Z5
 Contact: Steve Voyer
 svoyer@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.