



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
414015

Component
Diesel Engine

Fluid
PETRO CANADA DURON SHP 15W40 (--- GAL)

RECOMMENDATION

Aucune mesure corrective n'est recommandée pour l'instant.
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		GFL0107626	GFL0107542	---
Sample Date		Client Info		26 Mar 2024	20 Dec 2023	---
Machine Age	kms	Client Info		35206	18559	---
Oil Age	kms	Client Info		0	0	---
Filter Age	kms	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Iron	ppm	ASTM D5185(m)	>100	19	35	---
Chromium	ppm	ASTM D5185(m)	>20	0	<1	---
Nickel	ppm	ASTM D5185(m)	>4	<1	3	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>3	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	4	10	---
Lead	ppm	ASTM D5185(m)	>40	9	8	---
Copper	ppm	ASTM D5185(m)	>330	359	306	---
Tin	ppm	ASTM D5185(m)	>15	1	4	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

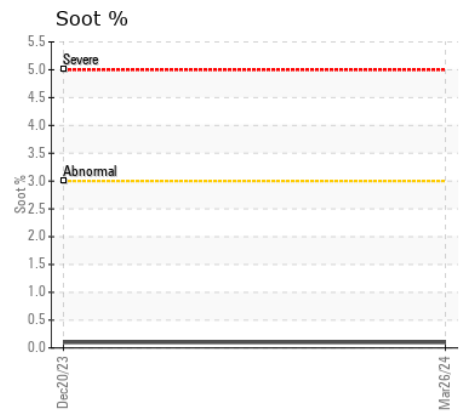
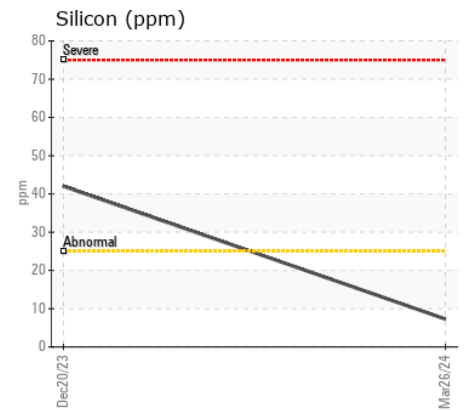
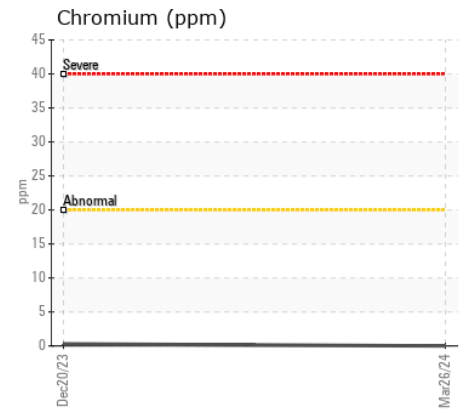
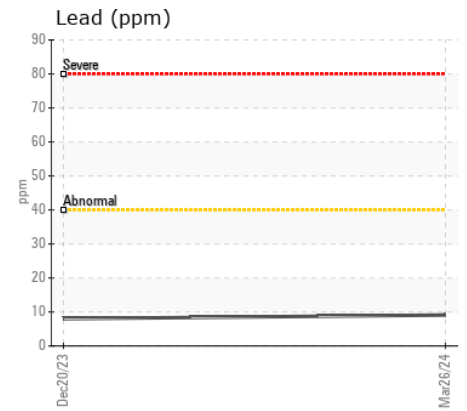
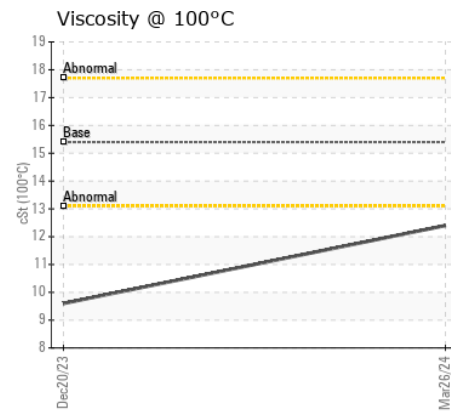
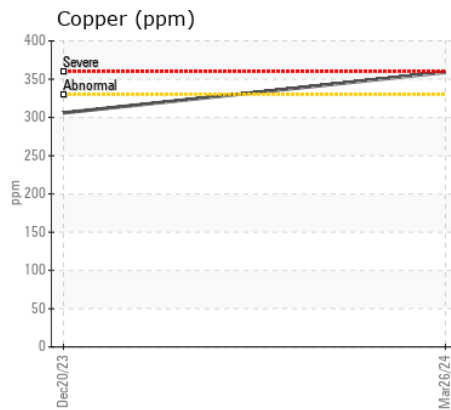
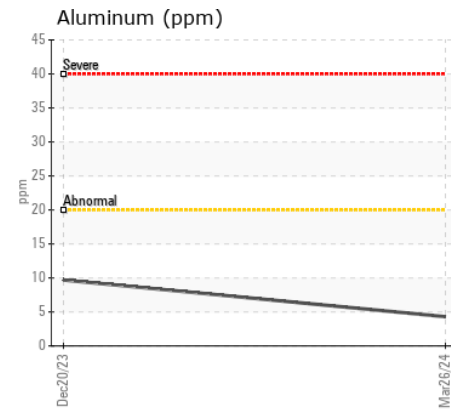
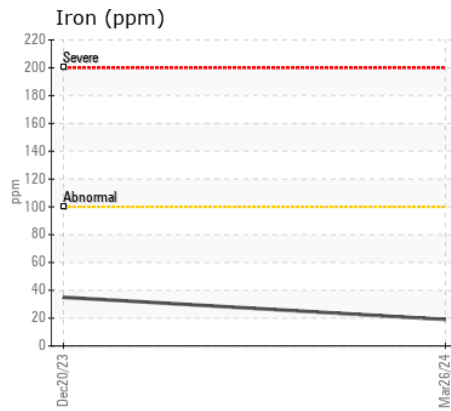
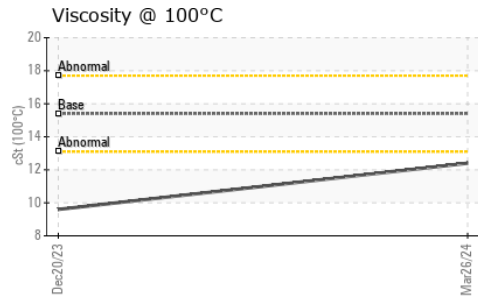
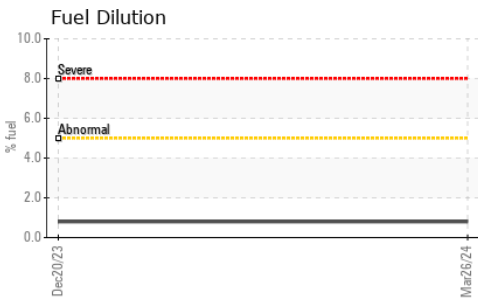
La teneur en carburant est négligeable. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	7	42	---
Potassium	ppm	ASTM D5185(m)	>20	10	21	---
Fuel	%	ASTM D7593*	>5	0.8	0.8	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0.1	0.1	---
Nitration	Abs/cm	ASTM D7624*	>20	9.4	9.3	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.5	24.6	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		2	3	---
Boron	ppm	ASTM D5185(m)	0	26	211	---
Barium	ppm	ASTM D5185(m)	0	0	0	---
Molybdenum	ppm	ASTM D5185(m)	60	60	113	---
Manganese	ppm	ASTM D5185(m)	0	0	4	---
Magnesium	ppm	ASTM D5185(m)	1010	699	683	---
Calcium	ppm	ASTM D5185(m)	1070	1405	1371	---
Phosphorus	ppm	ASTM D5185(m)	1150	798	698	---
Zinc	ppm	ASTM D5185(m)	1270	944	791	---
Sulfur	ppm	ASTM D5185(m)	2060	1885	2028	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.1	22.0	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	12.4	9.6	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0107626
Lab Number : 02625167
Unique Number : 5750286
Test Package : MOB 1 (Additional Tests: FUELDILUTION, PercentFuel)

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.*

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F: