



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
414015

Component
Diesel Engine

Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION

Aucune mesure corrective n'est recommandée pour l'instant. Confirm the source of the lubricant being utilized for top-up/fill. 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		GFL0107542	---	---
Sample Date		Client Info		20 Dec 2023	---	---
Machine Age	kms	Client Info		18559	---	---
Oil Age	kms	Client Info		0	---	---
Filter Age	kms	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

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

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

CONTAMINATION

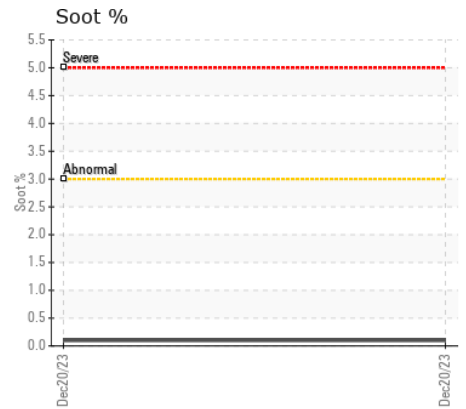
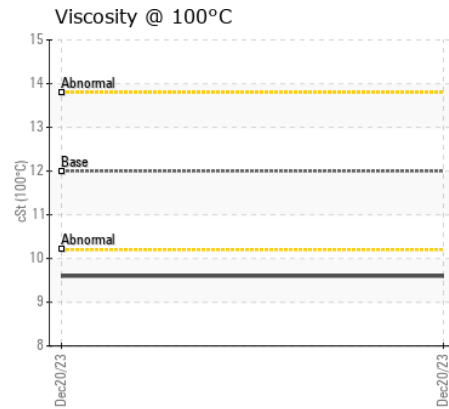
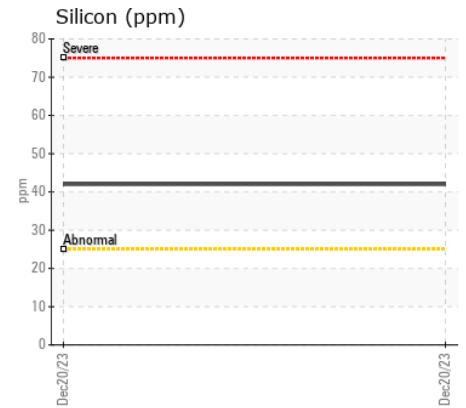
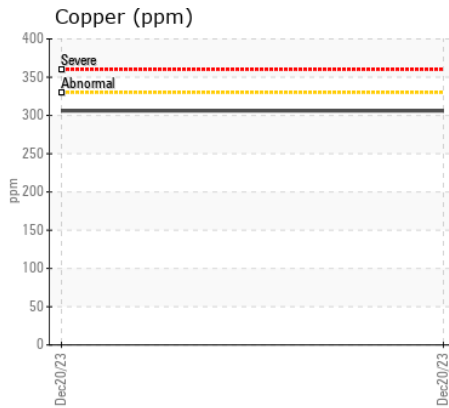
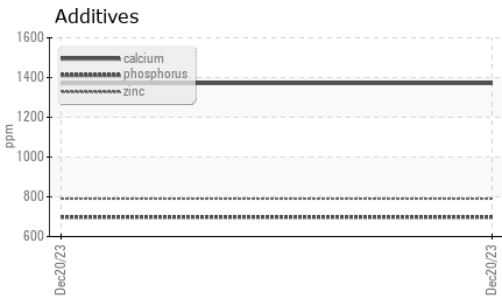
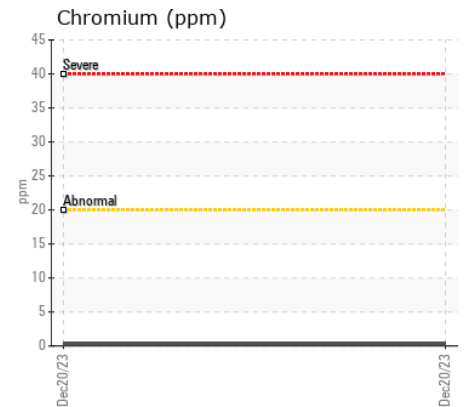
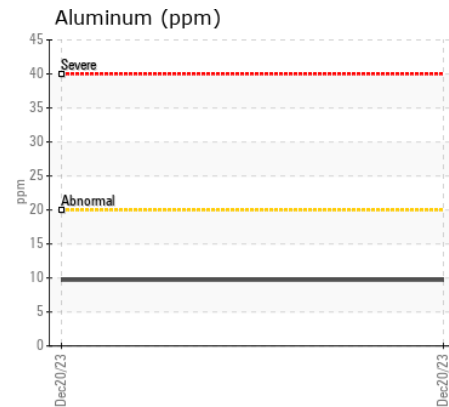
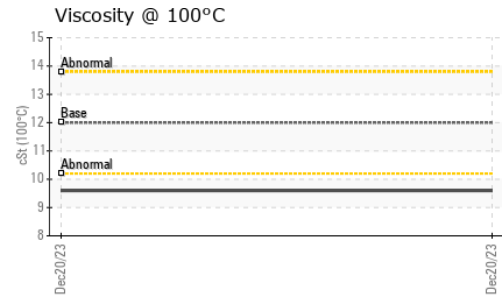
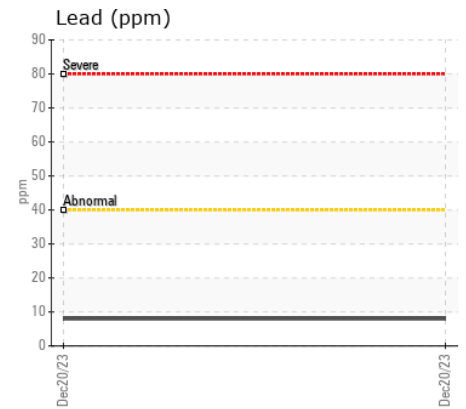
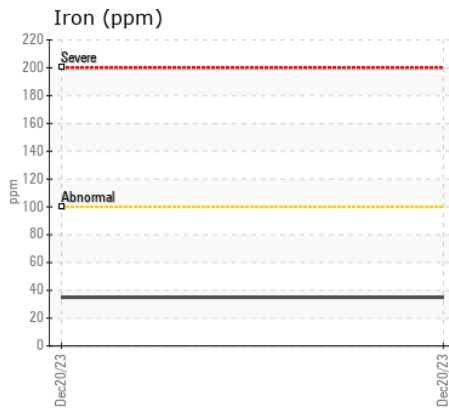
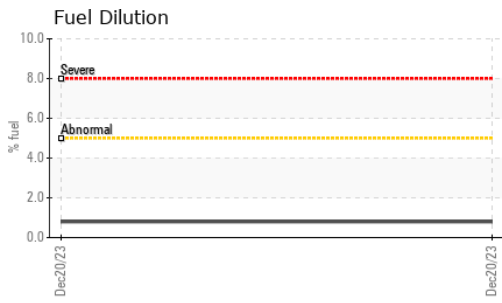
La teneur en carburant est négligeable. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

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

FLUID CONDITION

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		3	---	---
Boron	ppm	ASTM D5185(m)	2	211	---	---
Barium	ppm	ASTM D5185(m)	0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	50	113	---	---
Manganese	ppm	ASTM D5185(m)	0	4	---	---
Magnesium	ppm	ASTM D5185(m)	950	683	---	---
Calcium	ppm	ASTM D5185(m)	1050	1371	---	---
Phosphorus	ppm	ASTM D5185(m)	995	698	---	---
Zinc	ppm	ASTM D5185(m)	1180	791	---	---
Sulfur	ppm	ASTM D5185(m)	2600	2028	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	22.0	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	9.6	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 747 - GMA - Solid Waste
Sample No. : GFL0107542 **Received** : 09 Jan 2024
Lab Number : 02607379 **Diagnosed** : 10 Jan 2024
Unique Number : 5708465 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

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.

T:
F: