



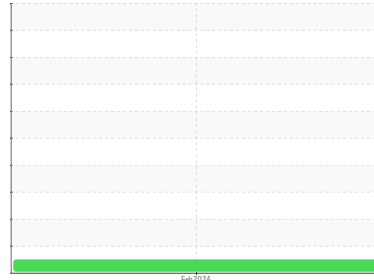
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
CAPLAN
 Machine Id
#414005
 Component
Front Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (36 LTR)



DIAGNOSIS

Recommendation

Aucune mesure corrective n'est recommandée pour l'instant. 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.

Wear

Les taux de métaux sont typiques d'une première vidange.

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.

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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0091114	---	---
Sample Date	Client Info		09 Feb 2024	---	---
Machine Age	hrs	Client Info	627	---	---
Oil Age	hrs	Client Info	627	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	---	---
Glycol	WC Method		NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>120	48	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---
Nickel	ppm	ASTM D5185(m)	>15	10	---
Titanium	ppm	ASTM D5185(m)	>2	0	---
Silver	ppm	ASTM D5185(m)	>3	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	15	---
Lead	ppm	ASTM D5185(m)	>40	6	---
Copper	ppm	ASTM D5185(m)	>330	248	---
Tin	ppm	ASTM D5185(m)	>15	4	---
Antimony	ppm	ASTM D5185(m)		0	---
Vanadium	ppm	ASTM D5185(m)		0	---
Beryllium	ppm	ASTM D5185(m)		0	---
Cadmium	ppm	ASTM D5185(m)		0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2	141	---
Barium	ppm	ASTM D5185(m)	0	<1	---
Molybdenum	ppm	ASTM D5185(m)	50	116	---
Manganese	ppm	ASTM D5185(m)	0	4	---
Magnesium	ppm	ASTM D5185(m)	950	703	---
Calcium	ppm	ASTM D5185(m)	1050	1388	---
Phosphorus	ppm	ASTM D5185(m)	995	703	---
Zinc	ppm	ASTM D5185(m)	1180	782	---
Sulfur	ppm	ASTM D5185(m)	2600	2062	---
Lithium	ppm	ASTM D5185(m)		<1	---

CONTAMINANTS

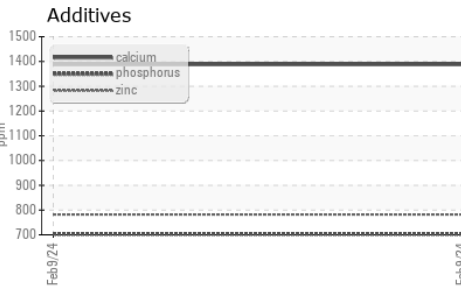
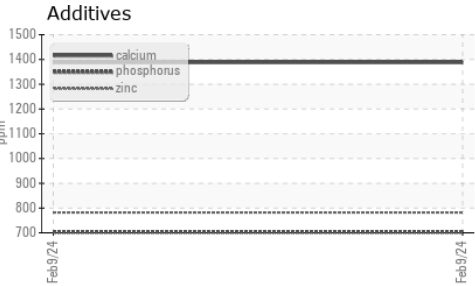
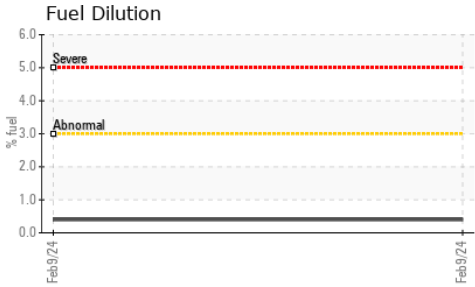
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	59	---
Sodium	ppm	ASTM D5185(m)		4	---
Potassium	ppm	ASTM D5185(m)	>20	32	---
Fuel	%	ASTM D7593*	>3.0	0.4	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>4	0.2	---
Nitration	Abs/cm	ASTM D7624*	>20	11.1	---
Sulfation	Abs./1mm	ASTM D7415*	>30	24.7	---



OIL ANALYSIS REPORT

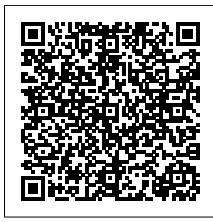
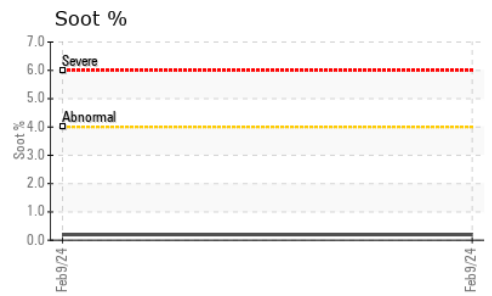
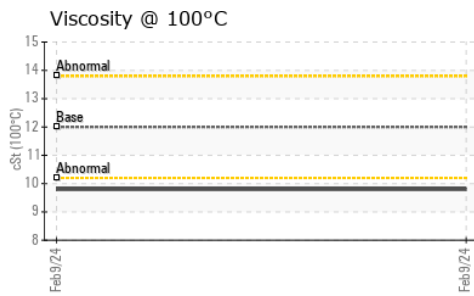
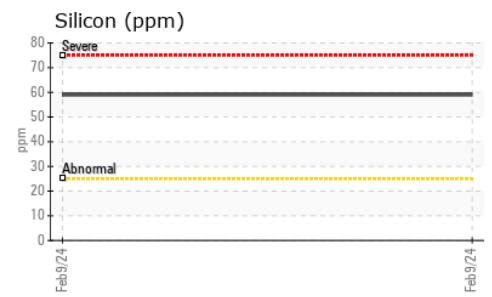
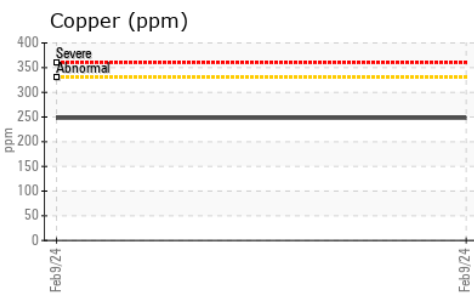
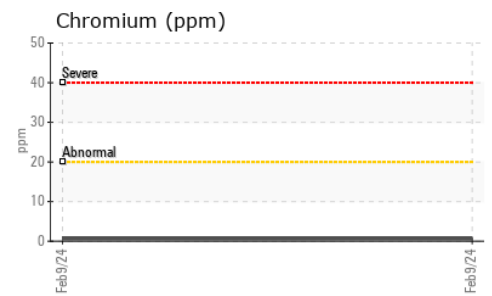
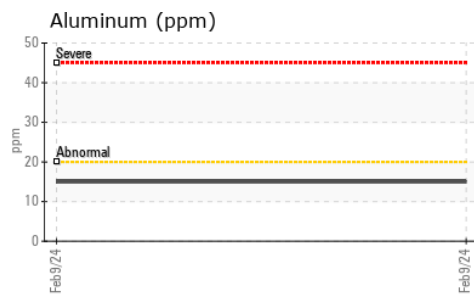
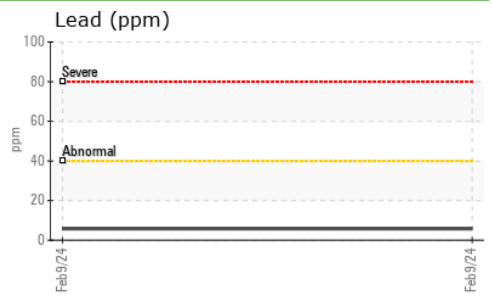
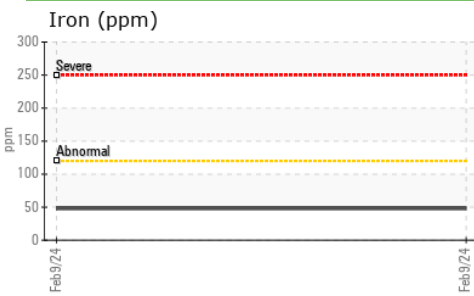


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	22.5	---	---

VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	9.8	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0091114 **Received** : 14 Feb 2024
Lab Number : **02615530** **Tested** : 16 Feb 2024
Unique Number : 5724625 **Diagnosed** : 16 Feb 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

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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