

Area
[1208219]
 Machine Id
118000
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0107923	---	---
Sample Date		Client Info		12 Jan 2024	---	---
Machine Age	hrs	Client Info		8214	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>165	5	---	---
Chromium	ppm	ASTM D5185(m)	>5	0	---	---
Nickel	ppm	ASTM D5185(m)	>4	0	---	---
Titanium	ppm	ASTM D5185(m)	>2	0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	1	---	---
Lead	ppm	ASTM D5185(m)	>150	0	---	---
Copper	ppm	ASTM D5185(m)	>90	<1	---	---
Tin	ppm	ASTM D5185(m)	>5	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	VLITE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

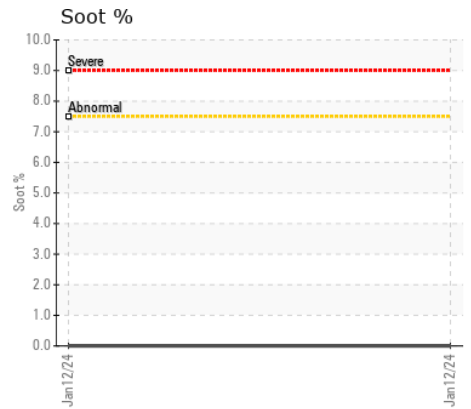
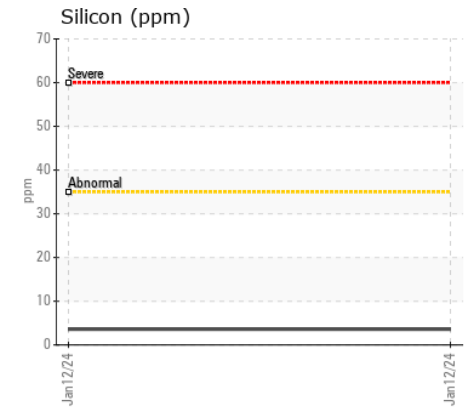
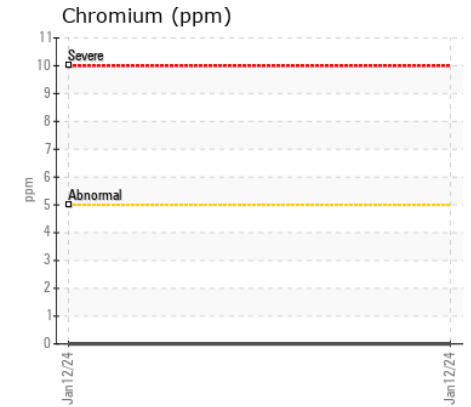
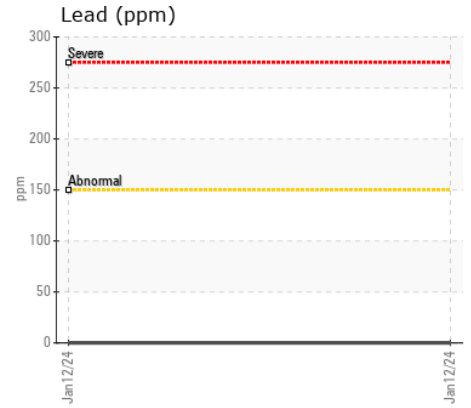
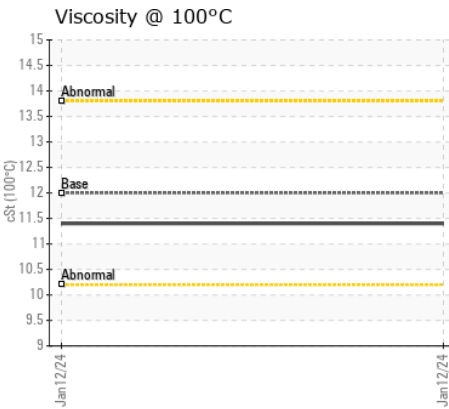
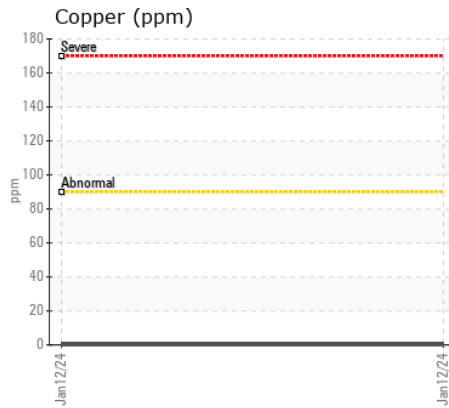
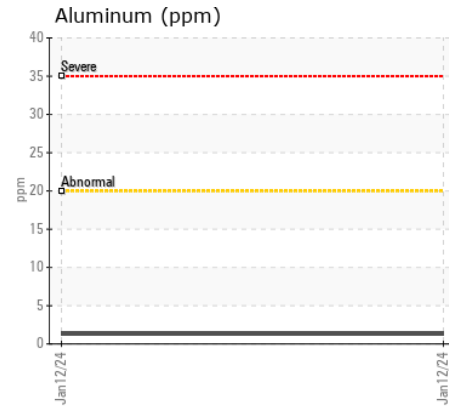
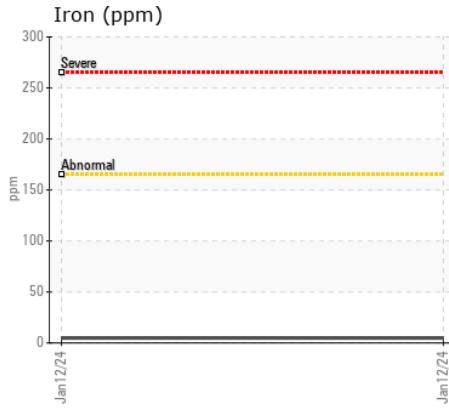
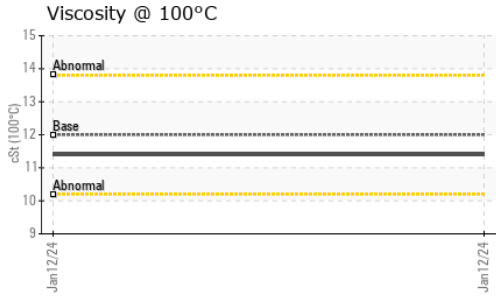
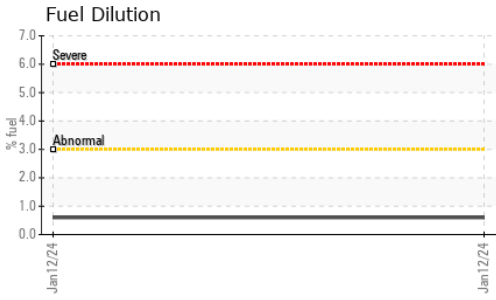
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>35	4	---	---
Potassium	ppm	ASTM D5185(m)	>20	2	---	---
Fuel	%	ASTM D7593*	>3.0	0.6	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>7.5	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	4.8	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.9	---	---
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	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		1	---	---
Boron	ppm	ASTM D5185(m)	2	2	---	---
Barium	ppm	ASTM D5185(m)	0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	50	57	---	---
Manganese	ppm	ASTM D5185(m)	0	0	---	---
Magnesium	ppm	ASTM D5185(m)	950	949	---	---
Calcium	ppm	ASTM D5185(m)	1050	1038	---	---
Phosphorus	ppm	ASTM D5185(m)	995	1014	---	---
Zinc	ppm	ASTM D5185(m)	1180	1151	---	---
Sulfur	ppm	ASTM D5185(m)	2600	2762	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.3	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.4	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 350 - Emeral Park Regina
Sample No. : GFL0107923 **Recieved** : 16 Jan 2024 2B Industrial Drive., Great Plains Industrial Park,
Lab Number : 02608855 **Diagnosed** : 17 Jan 2024 Emerald Park, SK
Unique Number : 5709941 **Diagnostician** : Wes Davis CA S4L 1B6
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel, Visual) Contact: Vaughn Hortness

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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