



OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

5578

Component

Diesel Engine

Fluid

CHEVRON DELO 400 LE 15W40 (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0047665	---	---
Sample Date	Client Info		26 Jan 2024	---	---
Machine Age	hrs	Client Info	16635	---	---
Oil Age	hrs	Client Info	202	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >165	20	---	---
Chromium	ppm	ASTM D5185(m) >5	<1	---	---
Nickel	ppm	ASTM D5185(m) >4	<1	---	---
Titanium	ppm	ASTM D5185(m) >2	0	---	---
Silver	ppm	ASTM D5185(m) >2	0	---	---
Aluminum	ppm	ASTM D5185(m) >20	6	---	---
Lead	ppm	ASTM D5185(m) >150	8	---	---
Copper	ppm	ASTM D5185(m) >90	3	---	---
Tin	ppm	ASTM D5185(m) >5	2	---	---
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)	219	---	---
Barium	ppm	ASTM D5185(m)	0	---	---
Molybdenum	ppm	ASTM D5185(m)	116	---	---
Manganese	ppm	ASTM D5185(m)	<1	---	---
Magnesium	ppm	ASTM D5185(m)	706	---	---
Calcium	ppm	ASTM D5185(m)	1508	---	---
Phosphorus	ppm	ASTM D5185(m) 1200	770	---	---
Zinc	ppm	ASTM D5185(m) 1300	887	---	---
Sulfur	ppm	ASTM D5185(m) 3200	2351	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

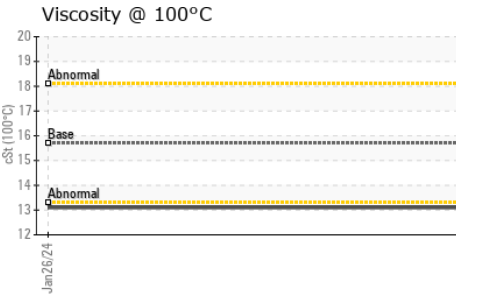
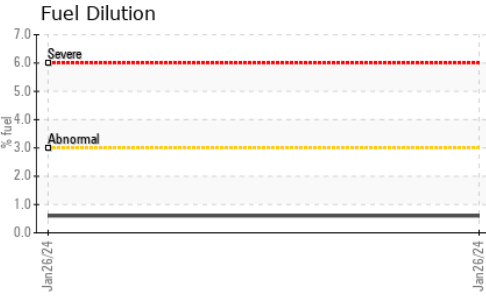
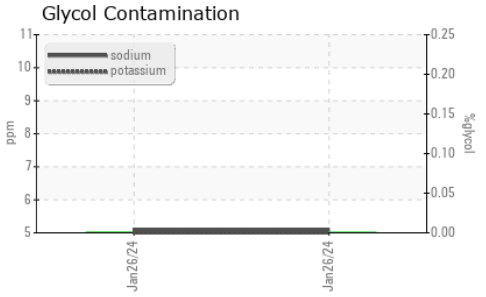
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >35	26	---	---
Sodium	ppm	ASTM D5185(m)	5	---	---
Potassium	ppm	ASTM D5185(m) >20	5	---	---
Fuel	%	ASTM D7593* >3.0	0.6	---	---
Glycol	%	ASTM D7922*	0.0	---	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >7.5	0	---	---
Nitration	Abs/cm	ASTM D7624* >20	9.9	---	---
Sulfation	Abs./1mm	ASTM D7415* >30	24.6	---	---



OIL ANALYSIS REPORT

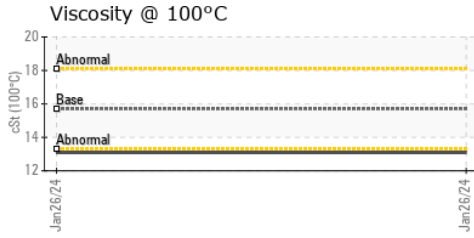
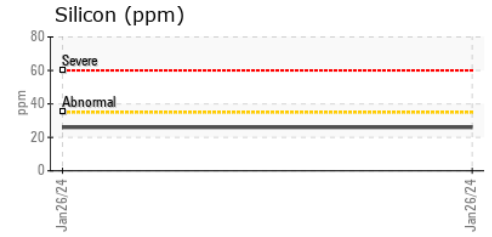
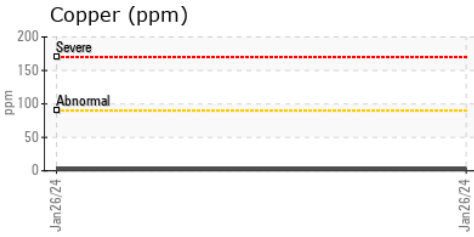
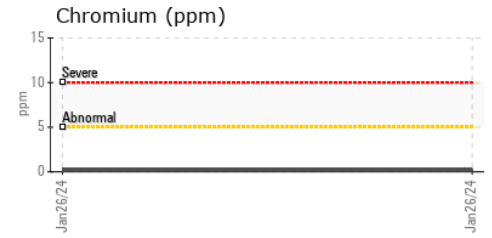
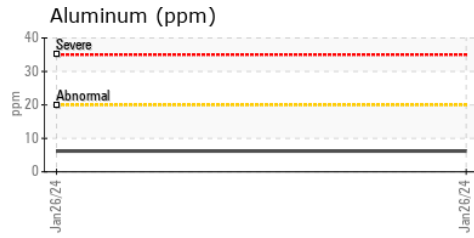
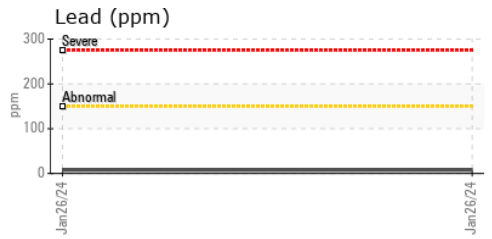
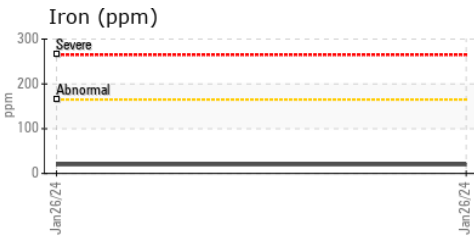


FLUID DEGRADATION	method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	20.7	---	---

VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	LIGHT	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
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	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D7279(m)	15.7	13.1	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 355 - Saskatoon**
Sample No. : GFL0047665 **Received** : 30 Jan 2024 100 Cory Road
Lab Number : **02612037** **Diagnosed** : 31 Jan 2024 Saskatoon, SK
Unique Number : 5721132 **Diagnostician** : Wes Davis CA S7K 3J7
Test Package : MOB 1 (Additional Tests: FuelDilution, Glycol, PercentFuel, Visual) Contact: Ryan Polichuk
rpolichuk@gflenv.com
To discuss this sample report, contact Customer Service at 1-800-268-2131. T: (306)244-9500
Test denoted () outside scope of accreditation, (m) method modified, (e) tested at external lab.* F:
Validity of results and interpretation are based on the sample and information as supplied.