



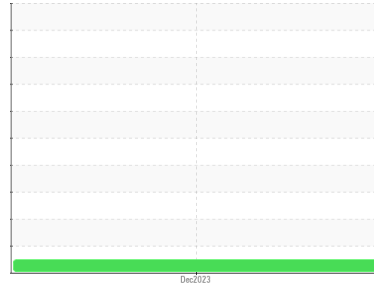
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
833068
 Component
Natural Gas Engine
 Fluid
PETRO CANADA DURON GEO LD 15W40 (--- GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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	GFL0094386	---	---
Sample Date	Client Info	15 Dec 2023	---	---
Machine Age	hrs Client Info	1098	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		NORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	NEG	---	---

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	0	---	---
Iron	ppm ASTM D5185(m) >50	52	---	---
Chromium	ppm ASTM D5185(m) >4	<1	---	---
Nickel	ppm ASTM D5185(m) >2	1	---	---
Titanium	ppm ASTM D5185(m)	0	---	---
Silver	ppm ASTM D5185(m) >3	<1	---	---
Aluminum	ppm ASTM D5185(m) >9	5	---	---
Lead	ppm ASTM D5185(m) >30	2	---	---
Copper	ppm ASTM D5185(m) >35	15	---	---
Tin	ppm ASTM D5185(m) >4	<1	---	---
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) 50	8	---	---
Barium	ppm ASTM D5185(m) 5	3	---	---
Molybdenum	ppm ASTM D5185(m) 50	94	---	---
Manganese	ppm ASTM D5185(m) 0	12	---	---
Magnesium	ppm ASTM D5185(m) 560	650	---	---
Calcium	ppm ASTM D5185(m) 1510	1285	---	---
Phosphorus	ppm ASTM D5185(m) 780	697	---	---
Zinc	ppm ASTM D5185(m) 870	819	---	---
Sulfur	ppm ASTM D5185(m) 2040	2076	---	---
Lithium	ppm ASTM D5185(m)	<1	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >+100	29	---	---
Sodium	ppm ASTM D5185(m)	4	---	---
Potassium	ppm ASTM D5185(m) >20	1	---	---

INFRA-RED

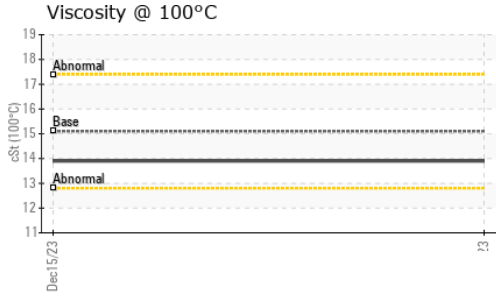
method	limit/base	current	history1	history2
Soot %	% ASTM D7844*	0	---	---
Nitration	Abs/cm ASTM D7624* >20	10.3	---	---
Sulfation	Abs/.1mm ASTM D7415* >30	23.3	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm ASTM D7414* >25	18.9	---	---



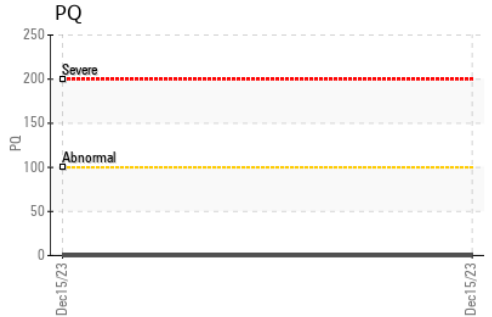
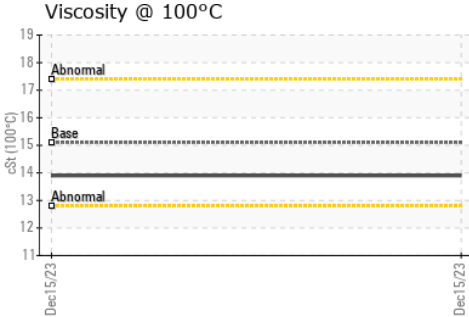
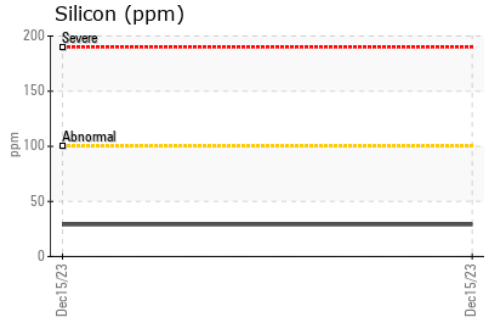
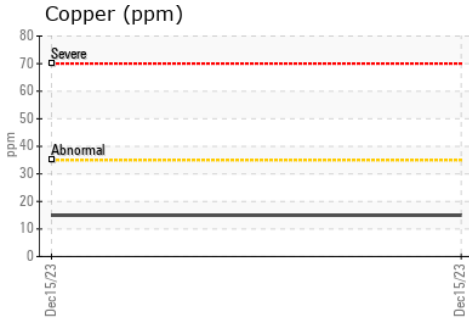
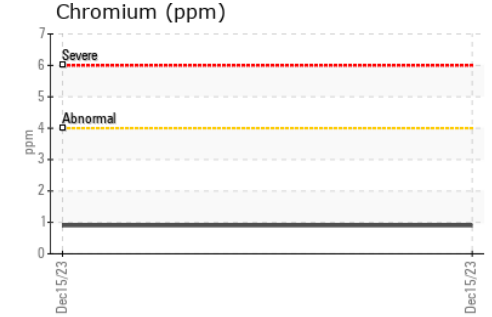
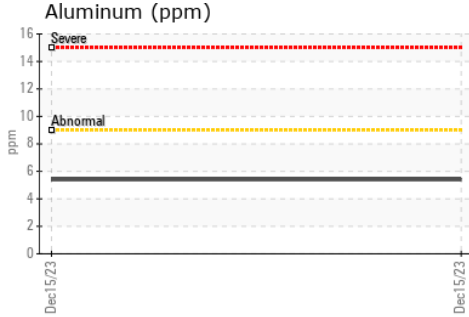
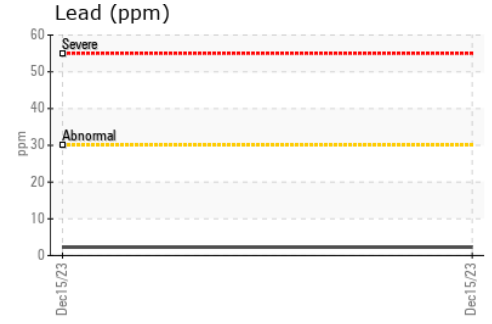
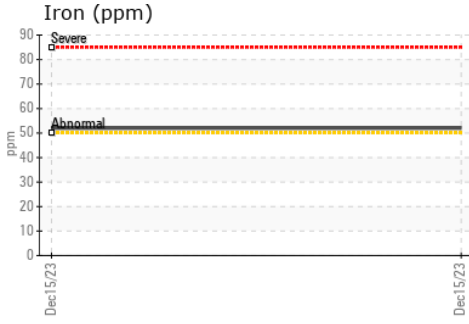
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.1	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	13.9	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0094386 **Received** : 19 Dec 2023
Lab Number : 02604086 **Diagnosed** : 19 Dec 2023
Unique Number : 5697171 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: PQ)
 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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