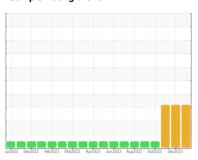


# **OIL ANALYSIS REPORT**

Sample Rating Trend



WEAR



731116

Component **Natural Gas Engine** 

PETRO CANADA DURON GEO LD 15W40 (--- GAL)

### **DIAGNOSIS**

#### Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

### Wear

Piston, ring and cylinder wear is indicated. Valve wear is indicated.

#### Contamination

There is no indication of any contamination in the

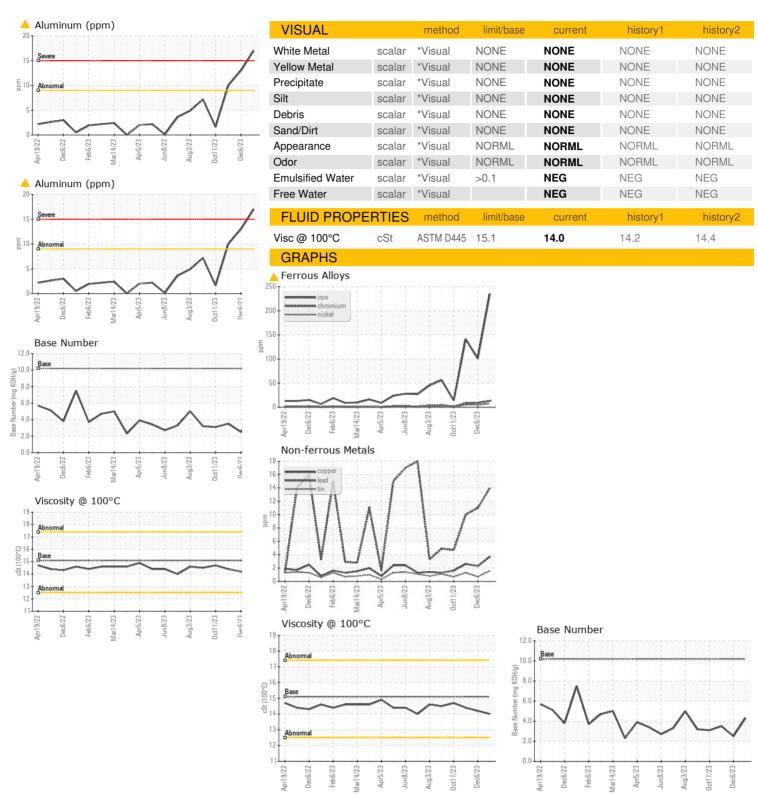
### **Fluid Condition**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

( GAL)						
SAMPLE INFORM	<b>NOITAN</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0103302	GFL0099913	GFL0099965
Sample Date		Client Info		16 Jan 2024	06 Dec 2023	10 Nov 2023
Machine Age	hrs	Client Info		6307	6168	6011
Oil Age	hrs	Client Info		1200	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>235</b>	<u> </u>	<u> </u>
Chromium	ppm	ASTM D5185m	>4	<u> </u>	<u>\$\lambda\$</u> 9	<b>4</b> 9
Nickel	ppm	ASTM D5185m	>2	<u>^</u> 8	<u> 5</u>	<u> 5</u>
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>9	<u> 17</u>	<u></u> 13	<u></u> 10
Lead	ppm	ASTM D5185m	>30	14	11	10
Copper	ppm	ASTM D5185m	>35	4	2	3
Tin	ppm	ASTM D5185m	>4	2	<1	1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	6	5	7
Barium	ppm	ASTM D5185m	5	4	0	7
Molybdenum	ppm	ASTM D5185m	50	89	75	75
Manganese	ppm	ASTM D5185m	0	5	3	4
Magnesium	ppm	ASTM D5185m	560	708	626	593
Calcium	ppm	ASTM D5185m	1510	1877	1800	1671
Phosphorus	ppm	ASTM D5185m	780	851	773	818
Zinc	ppm	ASTM D5185m	870	1136	1007	981
Sulfur	ppm	ASTM D5185m	2040	2719	2474	2383
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	80	54	51
Sodium	ppm	ASTM D5185m		13	14	6
Potassium	ppm	ASTM D5185m	>20	8	2	6
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	15.3	13.2	12.8
Sulfation	Abs/.1mm	*ASTM D7415		28.7	28.4	27.0
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	26.3	25.1	23.0
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	4.3	2.5	3.5
(2.1)		J				



## **OIL ANALYSIS REPORT**







Laboratory Sample No. Lab Number

**Unique Number** 

: 06064141 : 10835523 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0103302 Recieved : 18 Jan 2024

Diagnosed : 20 Jan 2024 Diagnostician : Don Baldridge

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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