

# **OIL ANALYSIS REPORT**

Sample Rating Trend





834051 Component Natural Gas Engine Fluid PETRO CANADA DURON GEO LD 15W40 (--- GAL)

### DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Machine Id

### Wear

Metal levels are typical for a new component breaking in.

#### Contamination

There is no indication of any contamination in the oil.

#### Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0114147	GFL0108068	GFL0108128
Sample Date		Client Info		12 Mar 2024	20 Feb 2024	25 Jan 2024
Machine Age	hrs	Client Info		1051	926	761
Oil Age	hrs	Client Info		1051	926	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	62	54	58
Chromium	ppm	ASTM D5185m	>5	2	1	2
Nickel	ppm	ASTM D5185m	>4	2	2	2
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>25	4	4	3
Lead	ppm	ASTM D5185m	>40	4	4	3
Copper	ppm	ASTM D5185m	>150	17	16	19
Tin	ppm	ASTM D5185m	>4	3	2	3
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	4	8	5
Barium	ppm	ASTM D5185m	5	3	3	0
Molybdenum	ppm	ASTM D5185m	50	60	60	60
Manganese	ppm	ASTM D5185m	0	13	13	15
Magnesium	ppm	ASTM D5185m	560	814	879	856
Calcium	ppm	ASTM D5185m	1510	1350	1386	1124
Phosphorus	ppm	ASTM D5185m	780	788	828	676
Zinc	ppm	ASTM D5185m	870	1003	1080	1037
Sulfur	ppm	ASTM D5185m	2040	2708	2382	2181
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	25	26	32
Sodium	ppm	ASTM D5185m		8	6	<1
Potassium	ppm	ASTM D5185m	>20	20	4	5
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	13.2	12.0	12.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.8	24.5	24.0
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.1	21.3	21.0
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	3.3	3.8	3.4



Bas

Dct29/23

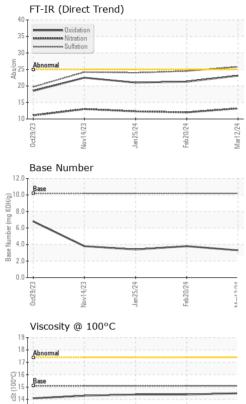
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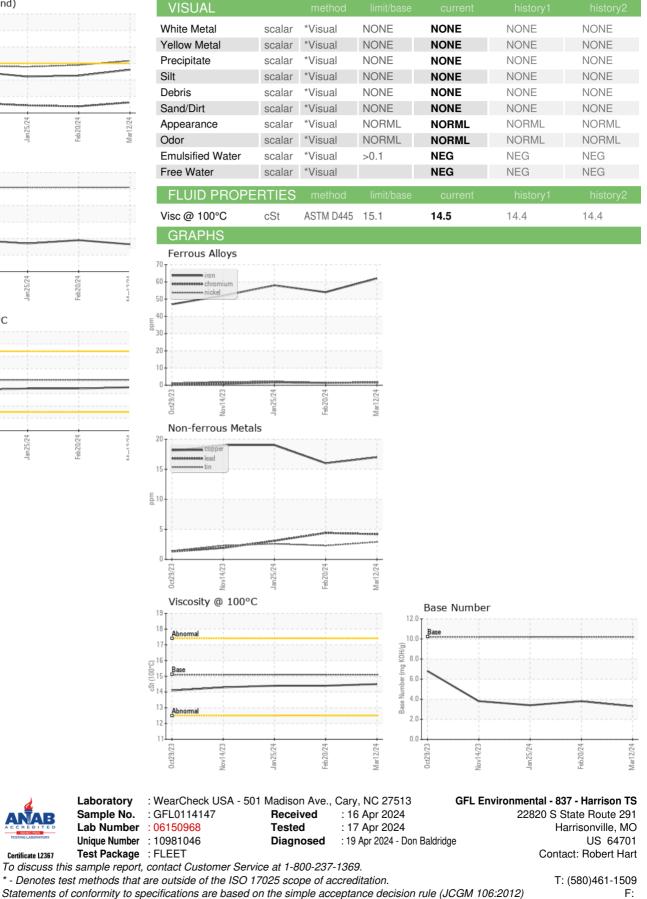
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