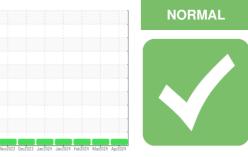


# **OIL ANALYSIS REPORT**

Sample Rating Trend



834015 Component Natural Gas Engine

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

SAMPLE INFORMATION method

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

Area

(41KM9B)

#### Wear

All component wear rates are normal.

#### 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.

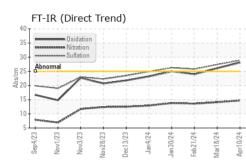
SAMPLE INFOR		methoa	iinii/base	current	nistory i	riistory2
Sample Number		Client Info		GFL0114181	GFL0114154	GFL0108064
Sample Date		Client Info		10 Apr 2024	18 Mar 2024	21 Feb 2024
Machine Age	hrs	Client Info		1318	1172	1029
Oil Age	hrs	Client Info		1318	1029	1029
Oil Changed		Client Info		Not Changd	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	82	74	72
Chromium	ppm	ASTM D5185m	>4	2	2	2
Nickel	ppm	ASTM D5185m	>2	3	2	2
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	<1	<1	<1
Aluminum	ppm	ASTM D5185m	>9	10	10	9
Lead	ppm	ASTM D5185m	>30	8	6	5
Copper	ppm	ASTM D5185m	>35	20	19	20
Tin	ppm	ASTM D5185m	>4	4	3	3
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	3	3	9
Barium	ppm	ASTM D5185m	5	3	3	0
Molybdenum	ppm	ASTM D5185m	50	64	60	66
Manganese	ppm	ASTM D5185m		12	11	12
Magnesium	ppm	ASTM D5185m	560	853	807	887
Calcium	ppm	ASTM D5185m	1510	1455	1400	1486
Phosphorus	ppm	ASTM D5185m	780	836	776	861
Zinc	ppm	ASTM D5185m	870	983	933	1073
Sulfur	ppm	ASTM D5185m	2040	2601	2512	2498
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	25	25	30
Sodium	ppm	ASTM D5185m		11	10	8
Potassium	ppm	ASTM D5185m	>20	32	33	5
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	14.7	14.1	13.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	28.9	27.4	25.8
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	28.1	26.1	24.0
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	2.6	3.1	3.9

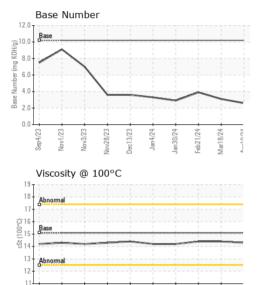


Sep4/23

Nov3/23 Vov28/23 Dec13/23

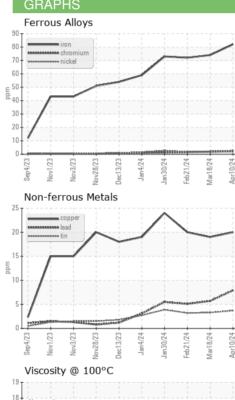
# **OIL ANALYSIS REPORT**

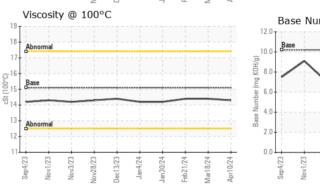


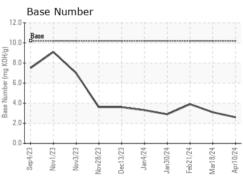


Jan 4/24 Jan 30/24 Feb 21/24

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.3	14.4	14.4
GRAPHS						







Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 GFL Environmental - 836 - Kansas City Hauling Sample No. : GFL0114181 Received : 16 Apr 2024 7801 East Truman Road Lab Number : 06150940 Tested : 17 Apr 2024 Kansas City, MO Unique Number : 10981018 Diagnosed : 19 Apr 2024 - Wes Davis US 64126 Test Package : FLEET Contact: Loyce Stewart Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. loyce.stewart@gflenv.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: F:

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