

## **OIL ANALYSIS REPORT**

Sample Rating Trend



## Machine Id 940001

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.

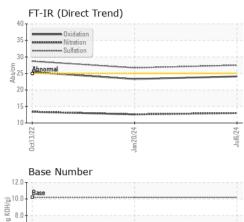
### Fluid Condition

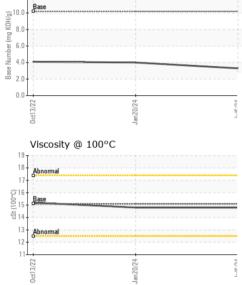
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0118158	GFL0086746	GFL0060626
Sample Date		Client Info		06 Jul 2024	20 Jan 2024	13 Oct 2022
Machine Age	hrs	Client Info		12671	11509	7852
Oil Age	hrs	Client Info		1162	11509	7852
Oil Changed		Client Info		Changed	Changed	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	12	4	7
Chromium	ppm	ASTM D5185m	>4	1	1	3
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	3	2	2
Lead	ppm	ASTM D5185m	>30	5	2	8
Copper	ppm	ASTM D5185m	>35	2	<1	2
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	7	12	16
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	59	51	54
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	560	630	576	588
Calcium	ppm	ASTM D5185m	1510	1858	1646	1739
Phosphorus	ppm	ASTM D5185m	780	881	803	800
Zinc	ppm	ASTM D5185m	870	1096	975	1017
Sulfur	ppm	ASTM D5185m	2040	2397	2266	2513
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	4	4	6
Sodium	ppm	ASTM D5185m		33	13	9
Potassium	ppm	ASTM D5185m	>20	6	0	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	13.0	12.6	13.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.5	26.7	28.7
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.1	23.3	25.4
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	3.3	4.0	4.1



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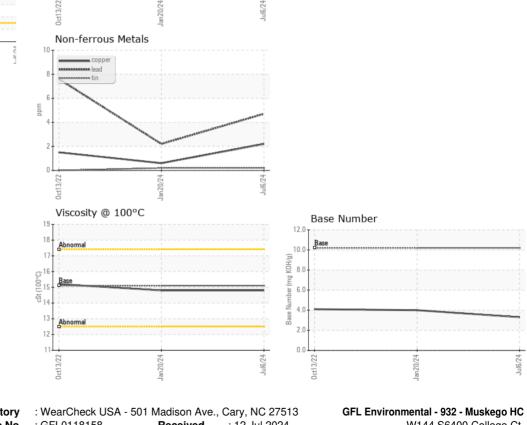


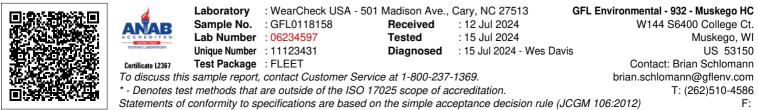


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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	14.8	14.8	15.2
GRAPHS						
Ferrous Alloys						
<sup>2</sup> T			1			
iron						
		/				
0 - chromium nickel		/				
0 - chromium nickel		/				
0 - chromium nickel		/				



maa





Submitted By: GFL932, GFL414 - BECKY FLETCHER