

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend



## Machine Id 731114

Component Natural Gas Engine

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.

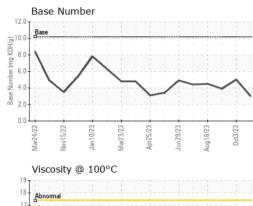
## Fluid Condition

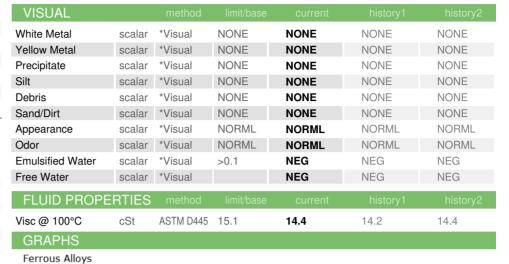
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

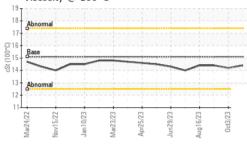
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0095181	GFL0095107	GFL0090661
Sample Date		Client Info		07 Nov 2023	03 Oct 2023	06 Sep 2023
Machine Age	hrs	Client Info		6397	6217	6017
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	9	15	10
Chromium	ppm	ASTM D5185m	>4	<1	2	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	2	11	<1
Lead	ppm	ASTM D5185m	>30	6	1	3
Copper	ppm	ASTM D5185m	>35	2	3	1
Tin	ppm	ASTM D5185m	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	9	15	7
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	55	53	56
Manganese	ppm	ASTM D5185m	0	<1	1	<1
Magnesium	ppm	ASTM D5185m	560	598	572	579
Calcium	ppm	ASTM D5185m	1510	1602	1463	1715
Phosphorus	ppm	ASTM D5185m	780	766	716	693
Zinc	ppm	ASTM D5185m	870	1025	936	969
Sulfur	ppm	ASTM D5185m	2040	2518	2571	2918
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	5	22	5
Sodium	ppm	ASTM D5185m		7	4	7
Potassium	ppm	ASTM D5185m	>20	2	32	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	11.9	9.7	11.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.0	20.3	21.7
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.8	17.8	17.6
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	3.0	5.0	3.9

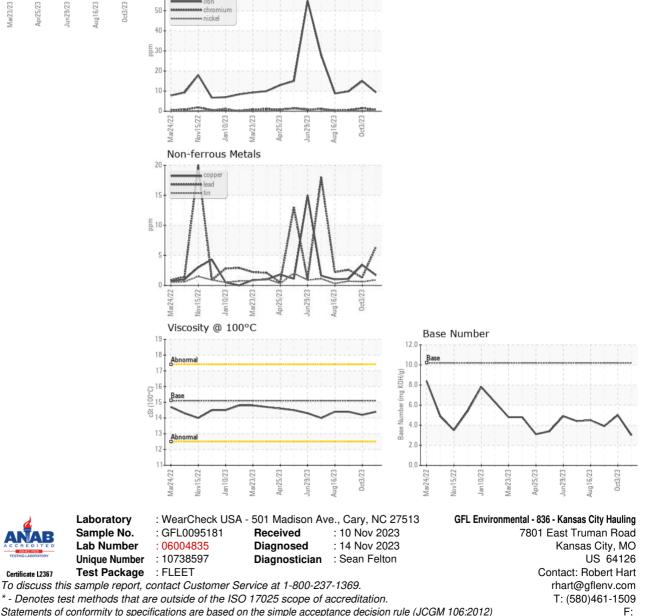


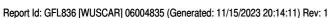
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Contact/Location: See also GFL823, 834, 837, 840 - Robert Hart - GFL836