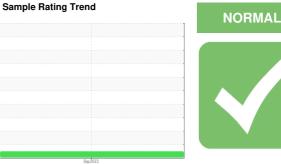


# **OIL ANALYSIS REPORT**

Sa



Machine Id **834015** 

Component

**Natural Gas Engine** 

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

## DIAGNOSIS

## Recommendation

Resample at the next service interval to monitor.

#### Wear

Metal levels are typical for a new component breaking in.

## Contamination

There is no indication of any contamination in the oil.

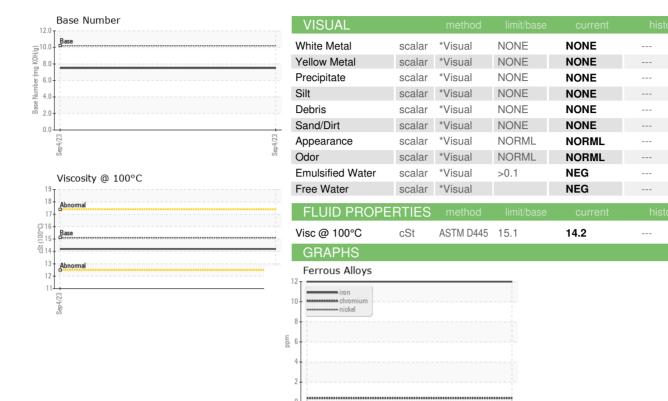
## **Fluid Condition**

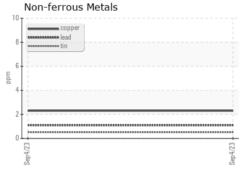
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

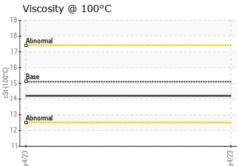
( GAL)				Sep2023		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0090649		
Sample Date		Client Info		04 Sep 2023		
Machine Age	hrs	Client Info		166		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	12		
Chromium	ppm	ASTM D5185m	>4	. <u> </u>		
Nickel	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>9	3		
Lead	ppm	ASTM D5185m	>30	1		
Copper	ppm	ASTM D5185m	>35	2		
Tin	ppm	ASTM D5185m	>4	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	51		
Barium	ppm	ASTM D5185m	5	<1		
Molybdenum	ppm	ASTM D5185m	50	51		
Manganese	ppm	ASTM D5185m	0	1		
Magnesium	ppm	ASTM D5185m	560	628		
Calcium	ppm	ASTM D5185m	1510	1485		
Phosphorus	ppm	ASTM D5185m	780	783		
Zinc	ppm	ASTM D5185m	870	972		
Sulfur	ppm	ASTM D5185m	2040	2983		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	21		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0		
Nitration	Abs/cm	*ASTM D7624	>20	7.9		
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.9		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.7		
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	7.5		
. ,						

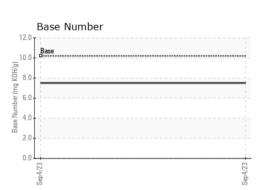


# **OIL ANALYSIS REPORT**











Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: GFL0090649 : 05945022 : 10635634 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 07 Sep 2023 : 08 Sep 2023 Diagnosed

: Wes Davis Diagnostician

GFL Environmental - 836 - Kansas City Hauling 7801 East Truman Road

Kansas City, MO US 64126 Contact: Robert Hart rhart@gflenv.com T: (580)461-1509

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)