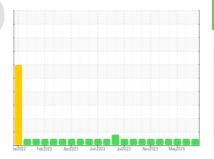


# **OIL ANALYSIS REPORT**

(EJT719) 810014

**Natural Gas Engine** 

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



Sample Rating Trend



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

### **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.

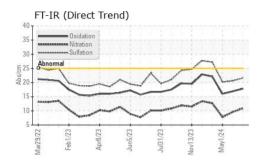
( GAL)		larŽ022 Fel	52023 Apr2023 Jun2	2023 Jul2023 Nov2023 N	lay2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0111526	GFL0083086	GFL0111573
Sample Date		Client Info		13 Jun 2024	01 May 2024	01 May 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	TION	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	20	11	9
Chromium	ppm	ASTM D5185m	>4	1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>9	5	2	3
Lead	ppm	ASTM D5185m	>30	3	1	<1
Copper	ppm	ASTM D5185m	>35	4	2	2
Tin	ppm	ASTM D5185m	>4	1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	12	26	35
Barium	ppm	ASTM D5185m	5	<1	<1	0
Molybdenum	ppm	ASTM D5185m	50	60	54	53
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	560	657	614	659
Calcium	ppm	ASTM D5185m	1510	1513	1602	1461
Phosphorus	ppm	ASTM D5185m	780	843	791	825
Zinc	ppm	ASTM D5185m	870	1028	980	978
Sulfur	ppm	ASTM D5185m	2040	2377	2852	2867
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	7	4	4
Sodium	ppm	ASTM D5185m		4	5	4
Potassium	ppm	ASTM D5185m	>20	5	0	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.5	0.1	0.3
Nitration	Abs/cm	*ASTM D7624	>20	10.9	9.6	7.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.6	20.6	20.2
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.8	16.9	16.0
B 11 1 (51)						

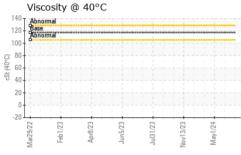
6.0

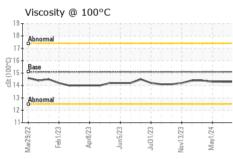
Base Number (BN) mg KOH/g ASTM D2896 10.2

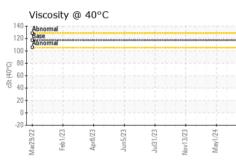


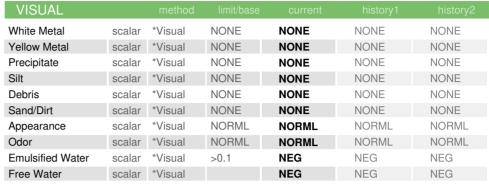
# **OIL ANALYSIS REPORT**





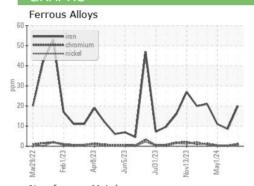


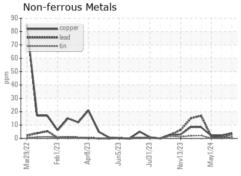


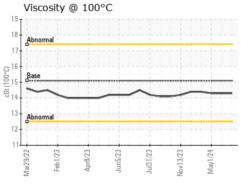


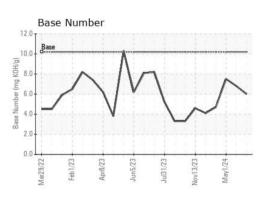
FLUID PROPI	ERHES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.3	14.3	14.3

## **GRAPHS**













Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0111526 Lab Number : 06226006 Unique Number : 11109499

Received **Tested** Diagnosed

: 02 Jul 2024 : 05 Jul 2024 : 05 Jul 2024 - Jonathan Hester

1219 Landfill Road Douglas, GA

Contact: CURTIS JACOBS CURTIS.JACOBS@GFLENV.COM

Test Package : FLEET ( Additional Tests: KV40 ) To discuss this sample report, contact Customer Service at 1-800-237-1369.  $^st$  - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (912)384-6001

GFL Environmental - 074 - Douglas - Transwaste

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: GFL074 [WUSCAR] 06226006 (Generated: 07/09/2024 20:21:47) Rev: 1

Submitted By: CURTIS JACOBS

US 31533