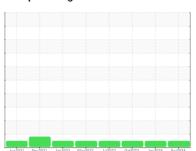


# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



Machine Id **744015-361631** 

Component

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (7 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.

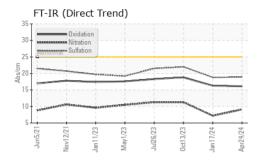
(7 GAL) Junž021 Nevž021 Janž023 Mayž023 Juž023 0-ciz023 Janž024 Aprž024								
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		GFL0114566	GFL0081080	GFL0081105		
Sample Date		Client Info		24 Apr 2024	17 Jan 2024	13 Oct 2023		
Machine Age	hrs	Client Info		18190	17941	17910		
Oil Age	hrs	Client Info		280	31	1200		
Oil Changed	0	Client Info		Not Changd	Not Changd	Changed		
Sample Status				NORMAL	NORMAL	NORMAL		
CONTAMINAT	ΓΙΟΝ	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	10	2	15		
Chromium	ppm	ASTM D5185m	>4	<1	<1	2		
Nickel	ppm	ASTM D5185m	>2	0	0	<1		
Titanium	ppm	ASTM D5185m		0	0	<1		
Silver	ppm	ASTM D5185m	>3	0	0	0		
Aluminum	ppm	ASTM D5185m	>9	1	<1	3		
Lead	ppm	ASTM D5185m	>30	0	0	2		
Copper	ppm	ASTM D5185m	>35	0	1	<1		
Tin	ppm	ASTM D5185m	>4	<1	<1	1		
Vanadium	ppm	ASTM D5185m		0	0	0		
Cadmium	ppm	ASTM D5185m		0	0	0		
ADDITIVES		method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	50	22	30	11		
Barium	ppm	ASTM D5185m	5	0	0	1		
Molybdenum	ppm	ASTM D5185m	50	50	44	48		
Manganese	ppm	ASTM D5185m	0	<1	1	2		
Magnesium	ppm	ASTM D5185m	560	555	490	568		
Calcium	ppm	ASTM D5185m	1510	1602	1364	1358		
Phosphorus	ppm	ASTM D5185m	780	820	730	698		
Zinc	ppm	ASTM D5185m	870	985	849	920		
Sulfur	ppm	ASTM D5185m	2040	2682	2187	2233		
CONTAMINAN	NTS	method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>+100	7	4	8		
Sodium	ppm	ASTM D5185m		5	4	4		
Potassium	ppm	ASTM D5185m	>20	<1	0	2		
INFRA-RED		method	limit/base	current	history1	history2		
Soot %	%	*ASTM D7844		0.1	0	0		
Nitration	Abs/cm	*ASTM D7624	>20	9.1	7.2	11.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.9	18.8	22.0		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2		
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.1	16.3	18.8		
Dage Number (DN)				6.0	0.0	E O		

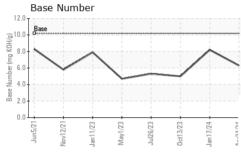
6.3

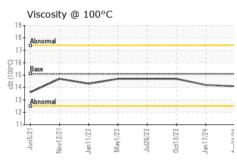
Base Number (BN) mg KOH/g ASTM D2896 10.2

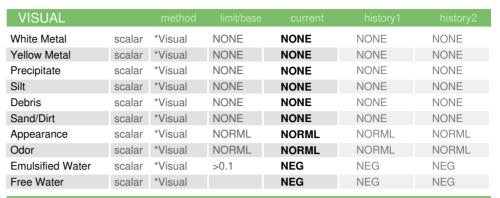


# **OIL ANALYSIS REPORT**



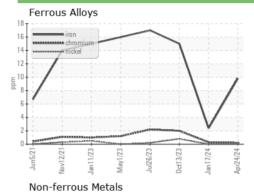




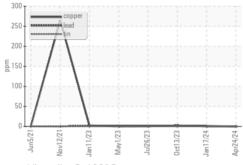


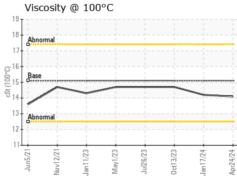
FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.1	14.2	14.7

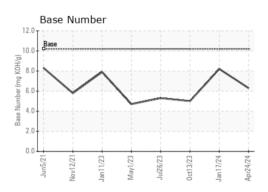
### **GRAPHS**















Certificate 12367

Laboratory Sample No.

Lab Number : 06160147

: GFL0114566 Unique Number : 10995570 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Apr 2024 **Tested** 

: 26 Apr 2024 Diagnosed : 26 Apr 2024 - Wes Davis

GFL Environmental - 884 - Lake County - Tavares

321 Southridge Industrial Way Tavares, FL

US 32778 Contact: JEFF COOPERSMITH

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)

Report Id: GFL884 [WUSCAR] 06160147 (Generated: 04/26/2024 07:34:41) Rev: 1

Submitted By: Daniel Wheeler

T:

F: