

# **OIL ANALYSIS REPORT**

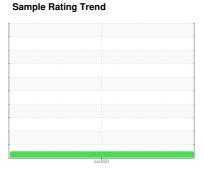
## NORMAL



729090 Component

**Diesel Engine** 

PETRO CANADA DURON SHP 15W40 (--- GAL)





## 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

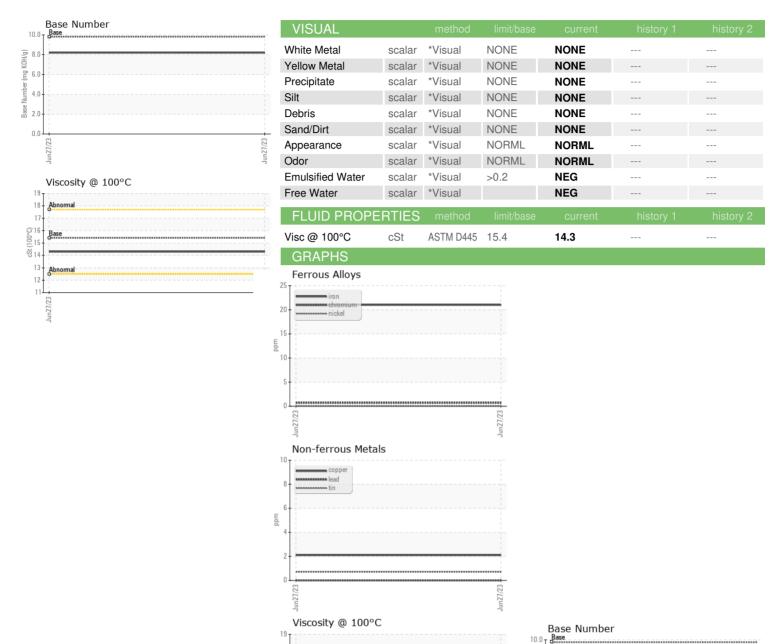
## **Fluid Condition**

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

N 30P 13W40 (-	GAL)			Jun 2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		GFL0085319		
Sample Date		Client Info		27 Jun 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		600		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINA	TION	method	limit/base	current	history 1	history 2
Fuel		WC Method	>5	<1.0		
Glycol		WC Method		NEG		
WEAR METAI	LS	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>80	21		
Chromium	ppm	ASTM D5185m	>5	<1		
Nickel	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>30	1		
Lead	ppm	ASTM D5185m	>30	0		
Copper	ppm	ASTM D5185m	>150	2		
Tin	ppm	ASTM D5185m	>5	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	5		
Barium	ppm	ASTM D5185m	0	<1		
Molybdenum	ppm	ASTM D5185m	60	60		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	1010	989		
Calcium	ppm	ASTM D5185m	1070	1115		
Phosphorus	ppm	ASTM D5185m	1150	983		
Zinc	ppm	ASTM D5185m	1270	1251		
Sulfur	ppm	ASTM D5185m	2060	3468		
CONTAMINA	NTS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>20	3		
Sodium	ppm	ASTM D5185m		18		
Potassium	ppm	ASTM D5185m	>20	5		
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	0.7		
Nitration	Abs/cm	*ASTM D7624	>20	9.4		
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.9		
FLUID DEGRA	DATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.3		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.2		



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Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: GFL0085319 : 05890830

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> 13 12

: 10546640 Test Package : FLEET

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 05 Jul 2023

Diagnosed : 06 Jul 2023 : Wes Davis Diagnostician

(mg K0H/g)

Base

0.0

GFL Environmental - 958 - Tri County HC Morton

1090 W. Jefferson St. Morton, IL US 61550 Contact: Bryan Link

blink@gflenv.com T:

\* - 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)

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