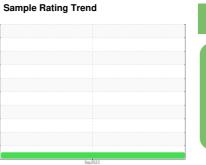


# **OIL ANALYSIS REPORT**









714060 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

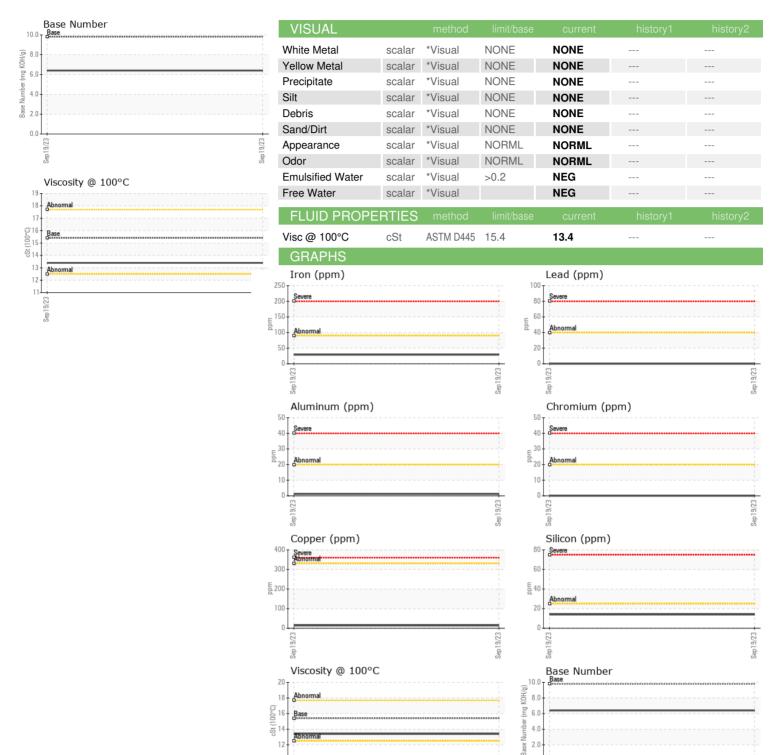
## **Fluid Condition**

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

N SHP 15W40 (-	GAL)			Sep2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0027522		
Sample Date		Client Info		19 Sep 2023		
Machine Age	hrs	Client Info		511		
Oil Age	hrs	Client Info		600		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Glycol		WC Method		NEG		
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	29		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m	>2	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>20	1		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	14		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m	710	0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	75		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	98		
Manganese	ppm	ASTM D5185m	0	4		
Magnesium	ppm	ASTM D5185m	1010	669		
Calcium	ppm	ASTM D5185m	1070	1278		
Phosphorus	ppm	ASTM D5185m	1150	702		
Zinc	ppm	ASTM D5185m	1270	873		
Sulfur	ppm	ASTM D5185m	2060	3299		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	14		
Sodium	ppm	ASTM D5185m		7		
Potassium	ppm	ASTM D5185m	>20	9		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.3		
Nitration	Abs/cm	*ASTM D7624	>20	10.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.5		
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.9		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	6.4		



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No.

Lab Number Unique Number

: 05958356 : 10659569 Test Package : MOB1+

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0027522 Received Diagnosed

: 22 Sep 2023 : 23 Sep 2023 : Don Baldridge Diagnostician

Pontiac, MI US 48340 Contact: Ricky Matthews To discuss this sample report, contact Customer Service at 1-800-237-1369. rickymathews@gflenv.com T: (586)825-9514

0.0

\* - 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: GFL465 [WUSCAR] 05958356 (Generated: 09/30/2023 08:07:56) Rev: 1

GFL Environmental - 465 - Pontiac

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