

# **OIL ANALYSIS REPORT**









Machine Id 420057 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

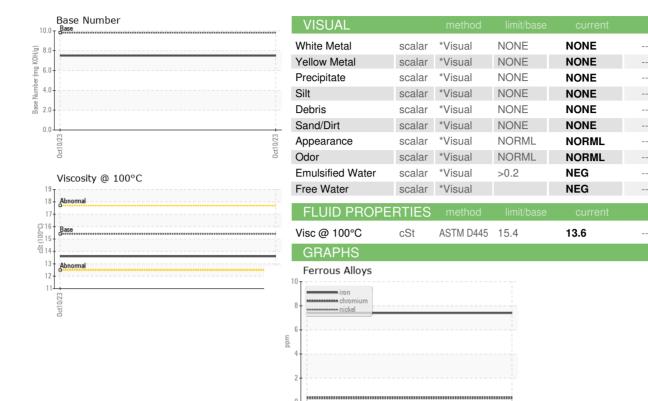
### **Fluid Condition**

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

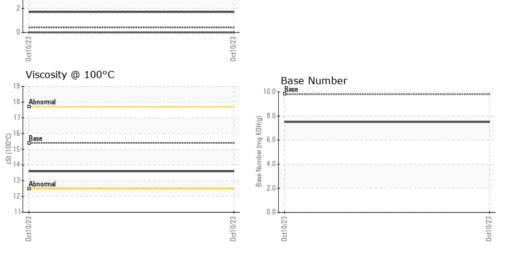
N SHP 15W40 (	GAL)			Oct2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0087953		
Sample Date		Client Info		10 Oct 2023		
Machine Age	hrs	Client Info		11364		
Oil Age	hrs	Client Info		600		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINA	TION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Glycol		WC Method		NEG		
WEAR METAI	LS	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>120	7		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>20	1		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	2		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m	>10	<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	58		
Vlanganese	ppm			<1		
Vlanganesium	ppm	ASTM D5185m	1010	910		
Calcium	ppm	ASTM D5185m	1070	1037		
Phosphorus		ASTM D5185m	1150	965		
Zinc	ppm	ASTM D5185m	1270	1134		
Sulfur	ppm	ASTM D5185m	2060	2787		
CONTAMINAL		method	limit/base	current	history1	history2
Silicon	ppm		>25	4		
Sodium	ppm	ASTM D5185m		5		
Potassium	ppm	ASTM D5185m	>20	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.3		
Nitration	Abs/cm	*ASTM D7624		7.5		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.8		
FLUID DEGRA	NOITAD.	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.0		
Base Number (BN)		ASTM D2896		7.5		



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Non-ferrous Metals







Laboratory Sample No.

Lab Number Unique Number

: GFL0087953 : 05979268 : 10696563 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 16 Oct 2023 Diagnosed : 16 Oct 2023

: Wes Davis Diagnostician

GFL Environmental - 960B - Pittsfield HC 1335 W. Washington

Pittsfield, IL US 62363

Contact: David Bradshaw david.bradshaw@gflenv.com

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)

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