

OIL ANALYSIS REPORT

Sample Rating Trend **WEAR**

911055

Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (7 GA

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

The iron level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the

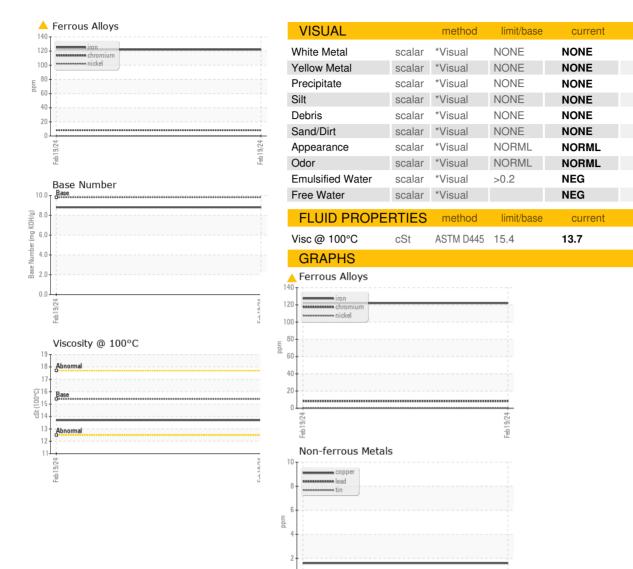
Fluid Condition

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

AL) SAMPLE INFORI						
SAMPLE INFORM			F	eb 2024		
	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0068898		
Sample Date		Client Info		19 Feb 2024		
Machine Age	hrs	Client Info		8521		
Oil Age	hrs	Client Info		8521		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	<u> </u>		
Chromium	ppm	ASTM D5185m	>20	8		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	12		
Lead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	2		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	6		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	59		
Manganese	ppm	ASTM D5185m	0	1		
Magnesium	ppm	ASTM D5185m	1010	962		
Calcium	ppm	ASTM D5185m	1070	1011		
Phosphorus	ppm	ASTM D5185m	1150	1037		
Zinc	ppm	ASTM D5185m	1270	1272		
Sulfur	ppm	ASTM D5185m	2060	3152		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m		6		
Potassium	ppm	ASTM D5185m	>20	21		
		method	limit/base	current	history1	history2
INFRA-RED			>3	0.3		
Soot %	%	*ASTM D7844	>0			
Soot %	% Abs/cm	*ASTM D7844 *ASTM D7624	>20	5.8		
Soot %						
Soot % Nitration	Abs/cm Abs/.1mm	*ASTM D7624	>20	5.8		
Soot % Nitration Sulfation	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415	>20 >30	5.8 17.4		



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Certificate L2367

Laboratory Sample No.

: GFL0068898 Lab Number : 06095356 **Unique Number** : 10888209 Test Package : FLEET

(10°00) 15 ₹ 14

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

: 21 Feb 2024 : 22 Feb 2024 : 23 Feb 2024 - Angela Borella Diagnosed

Feb 19/24

(mg K0H/g)

Base

0.0

Base Number

GFL Environmental - 073 - Warner Robins - Transwaste

history1

history2

history2

155 Story Road Warner Robins, GA US 31093

Contact: JOSH MALONEY jmaloney@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.

Viscosity @ 100°C

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:

F: