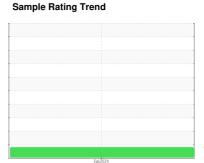


# **OIL ANALYSIS REPORT**



**WEAR** 



Machine Id **313035** 

Component **Diesel Engine** 

PETRO CANADA DURON SHP 15W40 (--- 0

## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Valve wear is indicated. All other component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

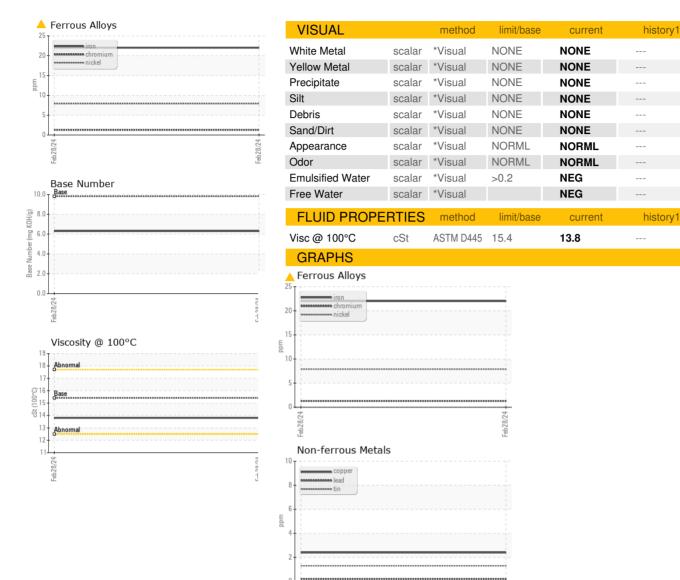
### **Fluid Condition**

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

AL)				Feb2024		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0083380		
Sample Date		Client Info		28 Feb 2024		
Machine Age	hrs	Client Info		0		
Dil Age	hrs	Client Info		0		
Oil Changed	1110	Client Info		N/A		
Sample Status		Oliotic irrio		ABNORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
	ION					
Fuel		WC Method	>5	<1.0		
Nater		WC Method	>0.2	NEG		
Slycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	22		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>4	<u>^</u> 8		
- itanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	2		
_ead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	2		
- īn	ppm	ASTM D5185m	>15	1		
/anadium	ppm	ASTM D5185m		0		
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	62		
Manganese	ppm	ASTM D5185m	0	1		
/lagnesium	ppm	ASTM D5185m	1010	1019		
Calcium	ppm	ASTM D5185m	1070	1065		
Phosphorus	ppm	ASTM D5185m	1150	1027		
Zinc	ppm	ASTM D5185m	1270	1334		
Sulfur	ppm	ASTM D5185m	2060	3052		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.9		
Nitration	Abs/cm	*ASTM D7624	>20	10.0		
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.5		
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.0		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	6.3		
Jase Hallibel (DIV)	my Norly	, 10 HVI D2000	3.0	0.0		



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No.

Lab Number : 06104035 Unique Number: 10902265

Test Package : FLEET

: GFL0083380

<u>e</u>15 ₹ 14

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Viscosity @ 100°C

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 Feb 2024 **Tested** : 29 Feb 2024

: 02 Mar 2024 - Don Baldridge Diagnosed

(mg K0H/g)

Base

0.0

GFL Environmental - 108 - Whiteville

5240 James B White Hwy South Whiteville, NC US 28472

Contact: TECHNICIAN ACCOUNT catherine.anastasio@wearcheck.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)

Base Number

T:

F:

history2