

# **OIL ANALYSIS REPORT**

# Sample Rating Trend





Machine Id
414082
Component
Diesel Engine
Fluid

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

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil

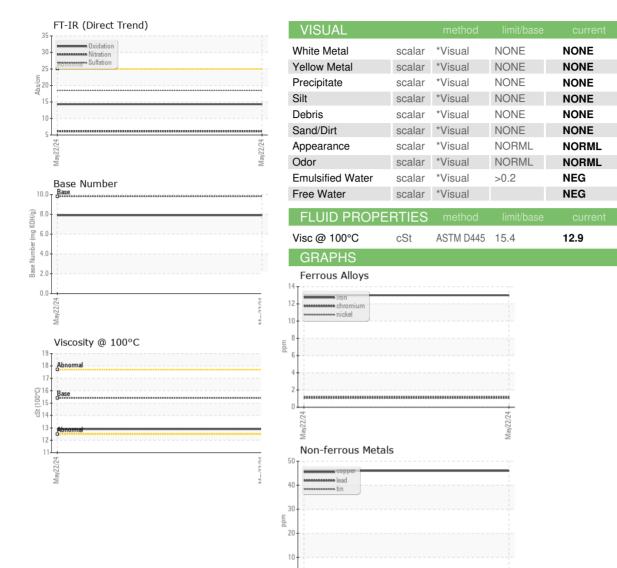
### **Fluid Condition**

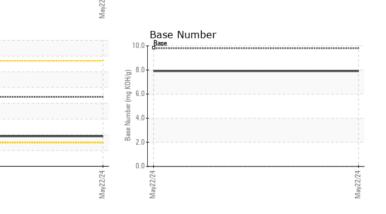
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

•	GAL)					
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0101004		
Sample Date		Client Info		22 May 2024		
Machine Age	mls	Client Info		0		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
-uel		WC Method	>3.0	<1.0		
Nater		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>120	13		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>5	1		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	2		
Aluminum	ppm	ASTM D5185m	>20	4		
_ead	ppm	ASTM D5185m	>40	1		
Copper	ppm	ASTM D5185m	>330	46		
Γin	ppm	ASTM D5185m	>15	1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	19		
Barium	ppm	ASTM D5185m	0	1		
Molybdenum	ppm	ASTM D5185m	60	65		
Manganese	ppm	ASTM D5185m	0	1		
Magnesium	ppm	ASTM D5185m	1010	867		
Calcium	ppm	ASTM D5185m	1070	1020		
Phosphorus	ppm	ASTM D5185m	1150	880		
Zinc	ppm	ASTM D5185m	1270	1093		
Sulfur	ppm	ASTM D5185m	2060	2740		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	18		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	9		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.2		
Vitration	Abs/cm	*ASTM D7624	>20	6.1		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.3		



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Laboratory Sample No.

Lab Number : 06191865 Unique Number : 11048617

(100 ₹ 14

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0101004

Viscosity @ 100°C

Received **Tested** Diagnosed

: 30 May 2024 - Sean Felton

: 28 May 2024

: 29 May 2024

Test Package : FLEET Certificate 12367 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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