

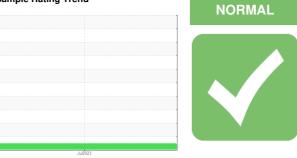
# **OIL ANALYSIS REPORT**

# Sample Rating Trend



Machine Id 929041 Component Diesel Engine Fluid

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



## DIAGNOSIS

## Recommendation

Resample at the next service interval to monitor.

#### Moor

Metal levels are typical for a components first oil change.

## Contamination

There is no indication of any contamination in the

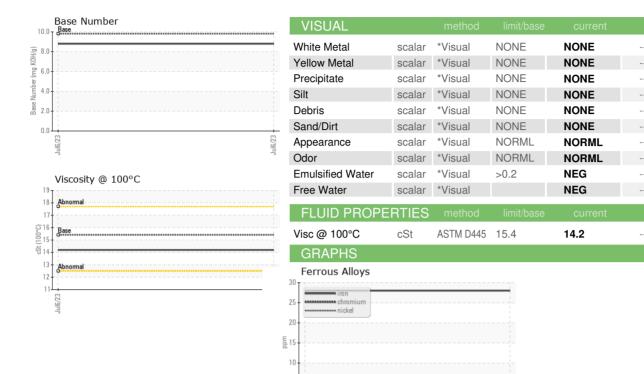
## **Fluid Condition**

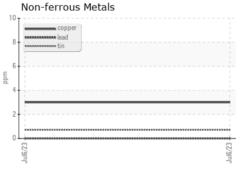
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

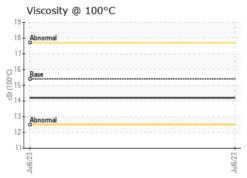
N SHP 15W40 (	- GAL)			Jul2023		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0071281		
Sample Date		Client Info		06 Jul 2023		
Machine Age	hrs	Client Info		11306		
Oil Age	hrs	Client Info		11306		
Oil Changed		Client Info		Not Changd		
Sample Status				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
ron	ppm	ASTM D5185m	>120	28		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>20	8		
_ead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	3		
Γin	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	63		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	1010	991		
Calcium	ppm	ASTM D5185m	1070	1106		
Phosphorus	ppm	ASTM D5185m	1150	1041		
Zinc	ppm	ASTM D5185m	1270	1260		
Sulfur	ppm	ASTM D5185m	2060	3518		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	14		
Sodium	ppm	ASTM D5185m		6		
Potassium	ppm	ASTM D5185m	>20	<1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	1.5		
Vitration	Abs/cm	*ASTM D7624	>20	10.7		
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.0		
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.7		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.8		

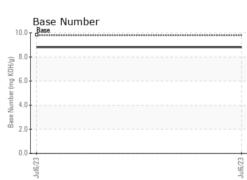


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Certificate L2367

Laboratory Sample No. Lab Number Unique Number Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0071281 : 05937118 : 10622389

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received Diagnosed Diagnostician

: 29 Aug 2023 : 29 Aug 2023 : Wes Davis

GFL Environmental - 932 - Muskego HC

W144 S6400 College Ct. Muskego, WI US 53150

Contact: Brian Schlomann brian.schlomann@gflenv.com

\* - 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) T: (262)510-4586