

### **OIL ANALYSIS REPOR**

SAMPLE INFORM Sample Number

CONTAMINATIO

WEAR METALS

Sample Date

Machine Age

Oil Changed Sample Status

Oil Age

Fuel

Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium Cadmium

Glycol

# {UNASSIGNED} 365M

Component **Diesel Engine** 

PETRO CANADA DURON SHP 15W40 (36 QTS)

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

Metal levels are typical for a components first oil change.

#### 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.

RT				N	ORMAL
			5mp2023		
<b>1ATION</b>	method	limit/base	current	history1	history2
	Client Info		GFL0084948		
	Client Info		25 Sep 2023		
hrs	Client Info		16054		
hrs	Client Info		16054		
	Client Info		Changed		
			NORMAL		
ON	method	limit/base	current	history1	history2
	WC Method	>5	<1.0		
	WC Method		NEG		
6	method	limit/base	current	history1	history2
ppm	ASTM D5185m	>100	32		
ppm	ASTM D5185m	>20	2		
ppm	ASTM D5185m	>4	0		
ppm	ASTM D5185m		0		
ppm	ASTM D5185m	>3	0		
ppm	ASTM D5185m	>20	2		
ppm	ASTM D5185m	>40	<1		
ppm	ASTM D5185m	>330	3		
ppm	ASTM D5185m	>15	<1		
ppm	ASTM D5185m		0		
ppm	ASTM D5185m		0		

Sample Rating Trend

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	3		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	57		
Manganese	ppm	ASTM D5185m	0	1		
Magnesium	ppm	ASTM D5185m	1010	870		
Calcium	ppm	ASTM D5185m	1070	1015		
Phosphorus	ppm	ASTM D5185m	1150	944		
Zinc	ppm	ASTM D5185m	1270	1178		
Sulfur	ppm	ASTM D5185m	2060	2649		
			12		1 C C C C C C C C C C C C C C C C C C C	

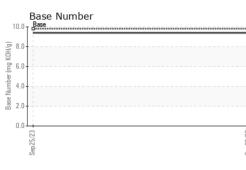
CONTAMINAN	15	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m		8		
Potassium	ppm	ASTM D5185m	>20	3		

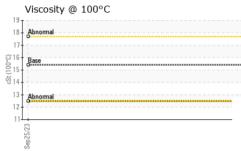
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.8		
Nitration	Abs/cm	*ASTM D7624	>20	8.2		
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.2		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.7		
Base Number (BN)	ma KOH/a	ASTM D2896	9.8	9.4		

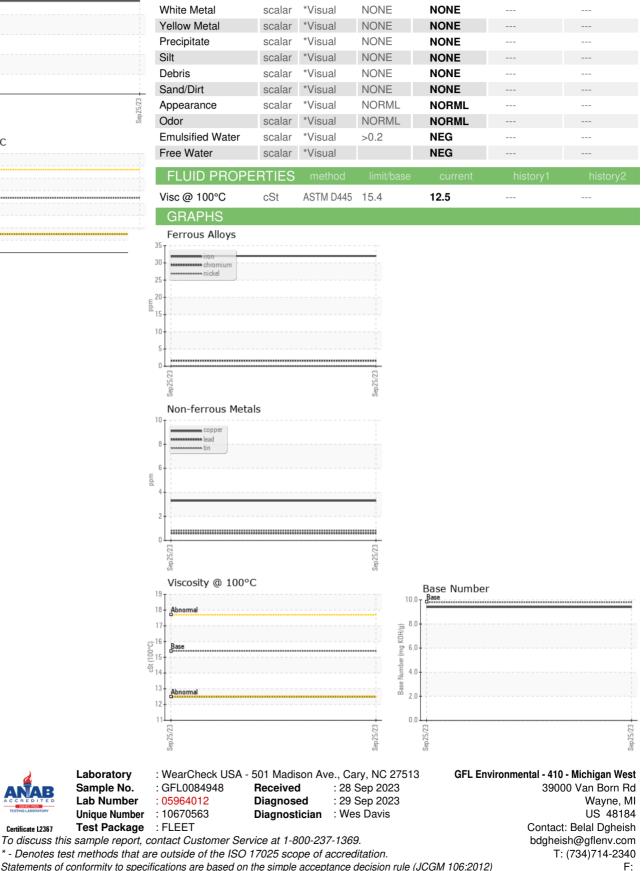


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VISUAL







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

Certificate L2367