

# **OIL ANALYSIS REPORT**

Sample Rating Trend

**FUEL** 

Machine Id **OE1873** Component
Diesel Engine

PETRO CANADA DURON SHP 15W40 (34 L

## DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

### Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

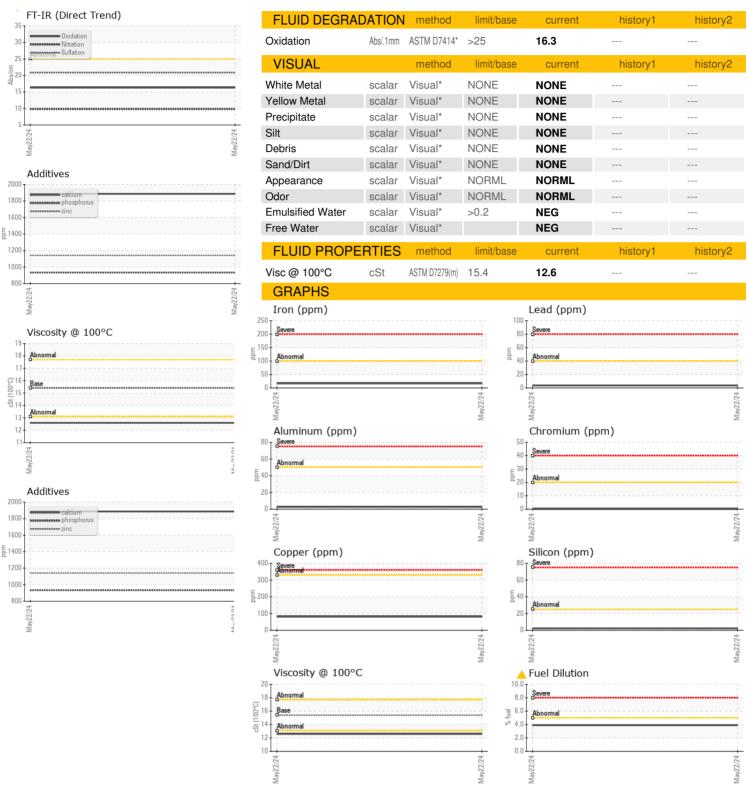
#### **Fluid Condition**

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

_TR)				May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0113396		
Sample Date		Client Info		22 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed	0	Client Info		N/A		
Sample Status				MARGINAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS	S	method	limit/base	current	history1	history2
Iron		ASTM D5185(m)	>100	17		
Chromium	ppm	ASTM D5185(m)	>20	<1		
Nickel	ppm	ASTM D5105(m) ASTM D5185(m)	>50	0		
Titanium	• • • • • • • • • • • • • • • • • • • •	ASTM D5105(III) ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>2	0		
Aluminum	ppm ppm	ASTM D5185(m)	>50	3		
Lead		ASTM D5185(m)	>40	4		
	ppm	ASTM D5185(m)	>330	81		
Copper Tin		ASTM D5185(m)	>15	0		
Antimony	ppm ppm	ASTM D5185(m)	>10	0		
Vanadium	ppm	ASTM D5105(m) ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5105(III) ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	29		
Barium	ppm	ASTM D5185(m)	0	0		
Molybdenum	ppm	ASTM D5185(m)	60	73		
Manganese	ppm	ASTM D5185(m)	0	0		
Magnesium	ppm	ASTM D5185(m)	1010	260		
Calcium	ppm	ASTM D5185(m)	1070	1887		
Phosphorus	ppm	ASTM D5185(m)	1150	934		
Zinc	ppm	. ,	1270	1142		
Sulfur	ppm	ASTM D5185(m)	2060	2618		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	2		
Sodium	ppm	ASTM D5185(m)		2		
Potassium	ppm	ASTM D5185(m)	>20	<1		
Fuel	%	ASTM D7593*	>5	<b>△</b> 3.9		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.3		
Nitration	Abs/cm	ASTM D7624*	>20	9.8		
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.8		



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 720 - Lafleche - Landfill Lab Number : 02637082

: GFL0113396 Unique Number : 5786244

Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

Validity of results and interpretation are based on the sample and information as supplied.

Received : 23 May 2024 **Tested** Diagnosed

: 24 May 2024 : 24 May 2024 - Wes Davis Test Package : MOB 1 ( Additional Tests: FuelDilution, PercentFuel, Visual )

To discuss this sample report, contact Customer Service at 1-800-268-2131.

17125 Lafleche Road, Moose Creek, ON CA K0C 1W0 Contact: Charles Bergeron cbergeron@gflenv.com

T: (613)538-4853