

# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **INTERNATIONAL 220088**

Component **Diesel Engine** 

PETRO CANADA DURON HP 15W40 (--- G

### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

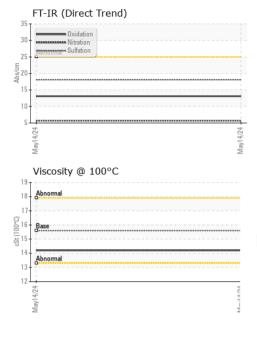
### **Fluid Condition**

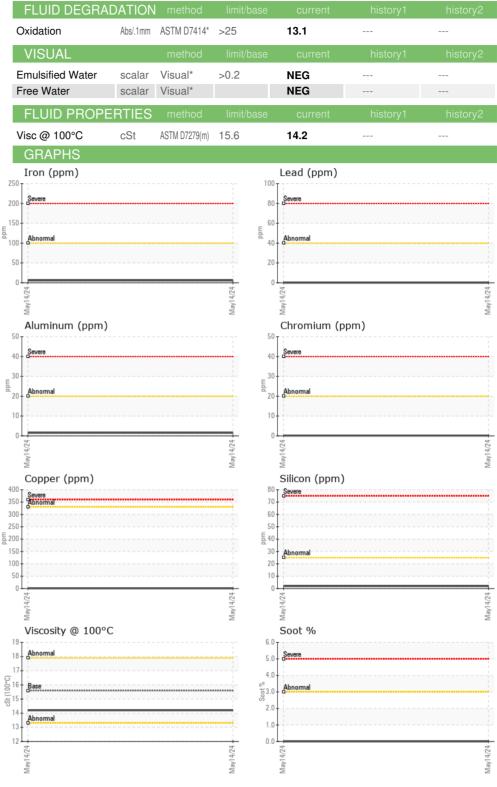
The condition of the oil is acceptable for the time in service.

AL)				May2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0122278		
Sample Date		Client Info		14 May 2024		
Machine Age	hrs	Client Info		3191		
Oil Age	hrs	Client Info		126		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	TION	method	limit/base	current	history1	history2
Fuel		WC Method	>2.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	6		
Chromium	ppm	ASTM D5185(m)	>20	<1		
Nickel	ppm	ASTM D5185(m)	>4	0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>3	0		
Aluminum	ppm	ASTM D5185(m)	>20	2		
Lead	ppm	ASTM D5185(m)	>40	0		
Copper	ppm	ASTM D5185(m)	>330	<1		
Tin	ppm	ASTM D5185(m)	>15	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	9		
Barium	ppm	ASTM D5185(m)	0	0		
Molybdenum	ppm	ASTM D5185(m)	60	53		
Manganese	ppm	ASTM D5185(m)	0	0		
Magnesium	ppm	ASTM D5185(m)	1010	879		
Calcium	ppm	ASTM D5185(m)	1070	1123		
Phosphorus	ppm	ASTM D5185(m)	1150	971		
Zinc	ppm	ASTM D5185(m)	1270	1144		
Sulfur	ppm	ASTM D5185(m)	2060	2610		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINAN	NTS	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	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0		
Nitration	Abs/cm	ASTM D7624*	>20	5.7		
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.1		



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02637363 Unique Number : 5786525

Test Package : MOB 1

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 987 - Charlottetown : GFL0122278 Received : 24 May 2024

**Tested** Diagnosed

: 24 May 2024 : 24 May 2024 - Wes Davis

7 Superior Crescent Charlottetown, PE CA C1A 7N5 Contact: Vicki Metcalfe vmetcalfe@gflenv.com

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