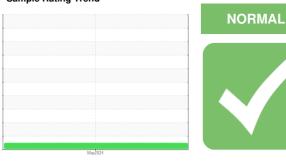


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id **OE444** 

Component
Diesel Engine

PETRO CANADA 15W40 (40 LTR)

# DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

## Wear

Metal levels are typical for a new component breaking in.

### Contamination

There is no indication of any contamination in the oil.

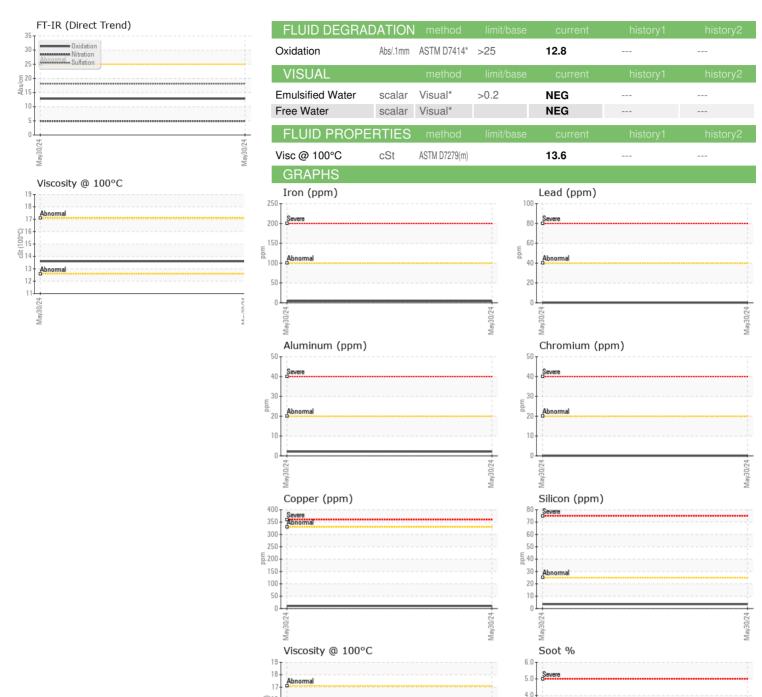
### Fluid Condition

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

			1	May2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0124635		
Sample Date		Client Info		30 May 2024		
Machine Age	hrs	Client Info		947		
Oil Age	hrs	Client Info		500		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<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	4		
Chromium	ppm	ASTM D5185(m)	>20	0		
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	10		
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)		7		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		55		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		910		
Calcium	ppm	ASTM D5185(m)		1103		
Phosphorus	ppm	ASTM D5185(m)		942		
Zinc	ppm	ASTM D5185(m)		1141		
Sulfur	ppm	ASTM D5185(m)		2537		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4		
Sodium	ppm	ASTM D5185(m)		2		
Potassium	ppm	ASTM D5185(m)	>20	<1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0		
Nitration	Abs/cm	ASTM D7624*	>20	4.9		
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.1		



# **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. Lab Number : 02639103 Unique Number : 5788265 Test Package : MOB 1

: GFL0124635

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

13

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 720 - Lafleche - Landfill Received : 31 May 2024

**Tested** Diagnosed

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.

: 31 May 2024 - Wes Davis

17125 Lafleche Road, : 31 May 2024

0.0

CA K0C 1W0 Contact: Charles Bergeron cbergeron@gflenv.com T: (613)538-4853

Moose Creek, ON