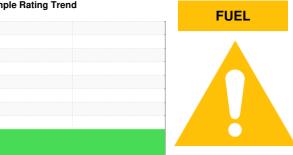


# **OIL ANALYSIS REPORT**

Sample Rating Trend



# CHEVROLET NO UNIT WC08788073

Component

**Diesel Engine** 

**MONARCH MAXIMUM PERFORMANCE 5W** 

## **DIAGNOSIS**

### Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Metal levels are typical for a new component breaking in.

### Contamination

Light fuel dilution occurring.

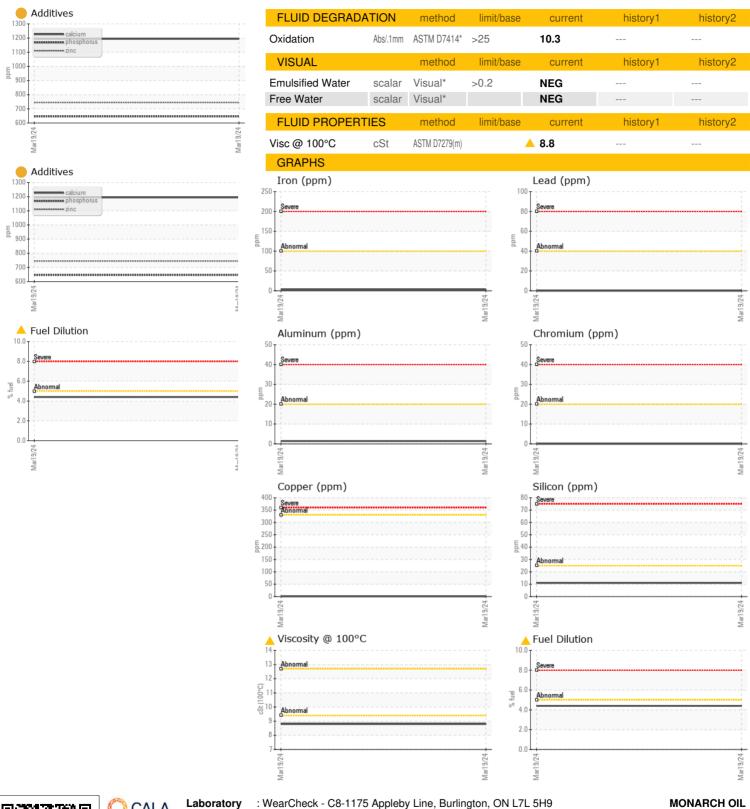
### Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The condition of the oil is acceptable for the time in service.

30 ( GAL)				Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0788073		
Sample Date		Client Info		19 Mar 2024		
Machine Age	kms	Client Info		2500		
Oil Age	kms	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATIO	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	3		
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	1		
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)		132		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		74		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		479		
Calcium	ppm	ASTM D5185(m)		1194		
Phosphorus	ppm	ASTM D5185(m)		<b>646</b>		
Zinc	ppm	ASTM D5185(m)		745		
Sulfur	ppm	ASTM D5185(m)		2194		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	}	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	11		
Sodium	ppm	ASTM D5185(m)		1		
Potassium	ppm	ASTM D5185(m)	>20	2		
Fuel	%	ASTM D7593*	>5	<b>4.4</b>		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0		
Nitration	Abs/cm	ASTM D7624*	>20	7.7		
Sulfation	Abs/.1mm	ASTM D7415*	>30	16.8		



# **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited

Laboratory

Sample No.

Lab Number : 02623625

: WC0788073

Unique Number : 5748744

Received : 21 Mar 2024 **Tested** Diagnosed

: 22 Mar 2024

: 22 Mar 2024 - Wes Davis

Test Package: MOB 1 (Additional Tests: FuelDilution, PercentFuel) 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.

2216 SHIRLEY DRIVE KITCHENER, ON CA N2B 3Y1

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