

# **OIL ANALYSIS REPORT**

[156160] 37292254

**Diesel Engine** 

{not provided} (--- GAL)

# Sample Rating Trend



## Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Metal levels are typical for a components first oil change.

# Contamination

The water content is negligible. There is no indication of any contamination in the oil.

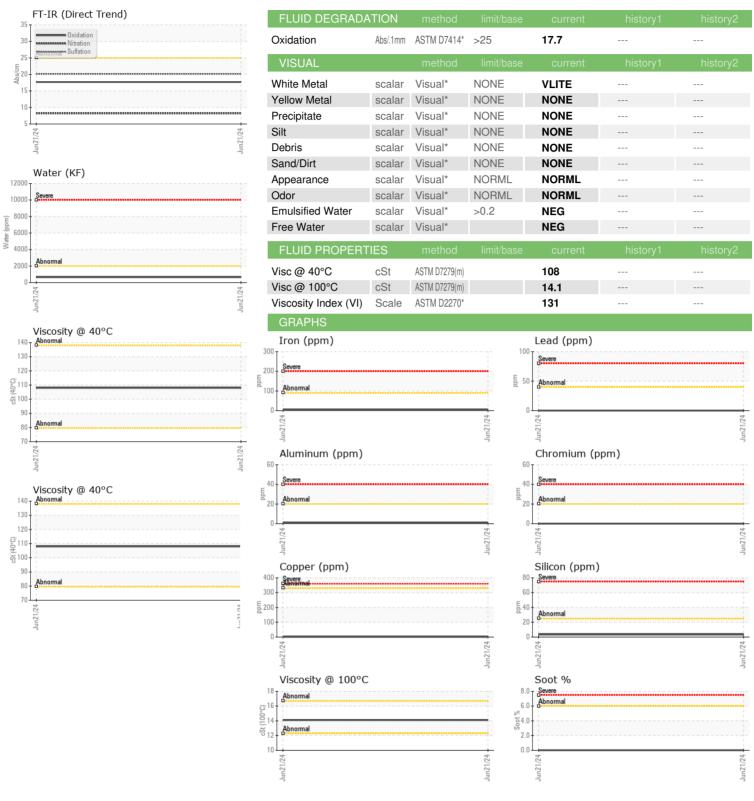
# **Fluid Condition**

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.

				Jun2024		
SAMPLE INFORM	AATION		::-		المستحدث المستحدث	history.O
	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		CU0022786		
Sample Date		Client Info		21 Jun 2024		
Machine Age	hrs	Client Info		1240		
Oil Age	hrs	Client Info		1240		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	٧	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>90	4		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>2	<1		
Titanium	ppm	ASTM D5185(m)	>2	0		
Silver	ppm	ASTM D5185(m)	>2	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	<1		
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)		41		
Barium	ppm	ASTM D5185(m)		<1		
Molybdenum	ppm	ASTM D5185(m)		48		
Manganese	ppm	ASTM D5185(m)		<1		
Magnesium	ppm	ASTM D5185(m)		798		
Calcium	ppm	ASTM D5185(m)		1176		
Phosphorus	ppm	ASTM D5185(m)		684		
Zinc	ppm	ASTM D5185(m)		813		
Sulfur	ppm	ASTM D5185(m)		1896		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	3		
Sodium	ppm	ASTM D5185(m)		3		
Potassium	ppm	ASTM D5185(m)	>20	<1		
Water	%	ASTM D6304*	>0.2	0.065		
ppm Water	ppm	ASTM D6304*	>2000	655		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	0		
Nitration	Abs/cm	ASTM D7624*	>20	8.2		
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.1		



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CUMMINS CANADA ULC - GENERATOR DIVISION

Lab Number : 02644295 Unique Number : 5801834

: CU0022786

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 **Tested** Diagnosed

: 27 Jun 2024 : 27 Jun 2024

: 28 Jun 2024 - Kevin Marson

Test Package : MOB 1 (Additional Tests: KF, KV40, VI, Visual) To discuss this sample report, contact Customer Service at 1-800-268-2131.

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7175 PACIFIC CIRCLE

Contact: Elisia Johnson

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