



# COOLANT REPORT

CORROSION	<b>NORMAL</b>
CONTAMINANTS	<b>NORMAL</b>
COOLANT CONDITION	<b>NORMAL</b>

Area

**OI CANADA CORP [152746]**

Machine Id

**37129146**

Component

**Coolant**

Fluid

**FLEETGUARD ES COMPLEAT (--- LTR)**

## RECOMMENDATION

The fluid is suitable for further service. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>CU0022861</b>	CU0020625	CU0017953
Sample Date		Client Info		<b>03 Jun 2024</b>	13 Mar 2023	15 Jun 2021
Machine Age	hrs	Client Info		<b>667</b>	629	573
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## CORROSION

All metal levels are normal indicating no corrosion in the cooling system.

Iron	ppm	ASTM D5185(m)	>15	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>10	<b>3</b>	8	3
Copper	ppm	ASTM D5185(m)	>10	<b>1</b>	3	2
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	0
Zinc	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	0	1

## CONTAMINANTS

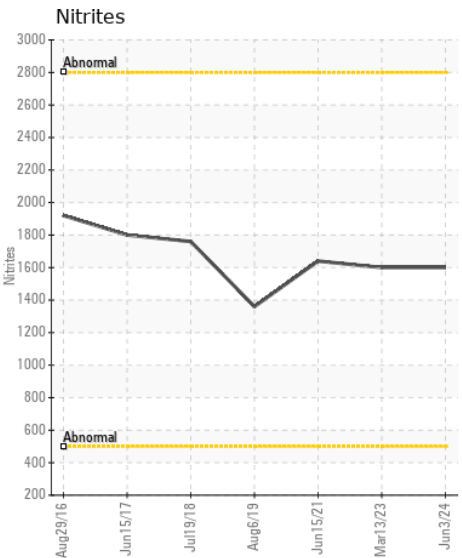
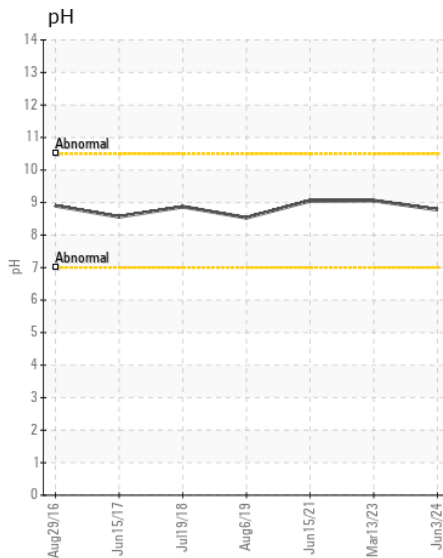
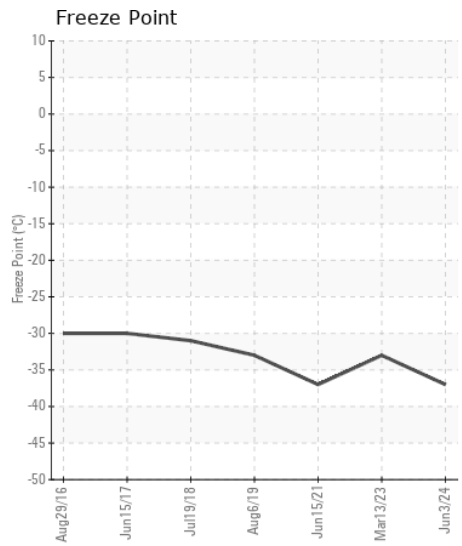
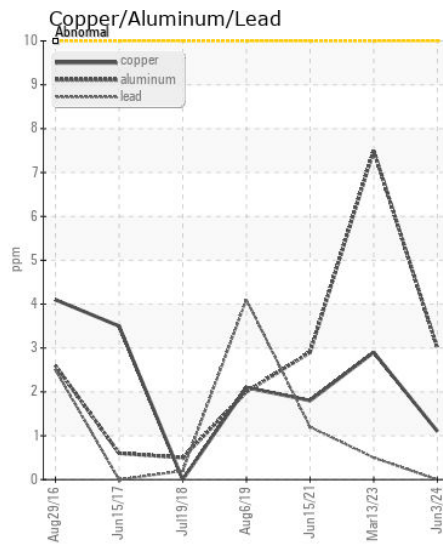
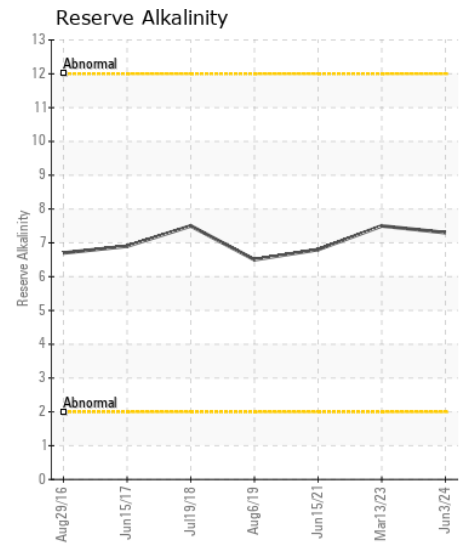
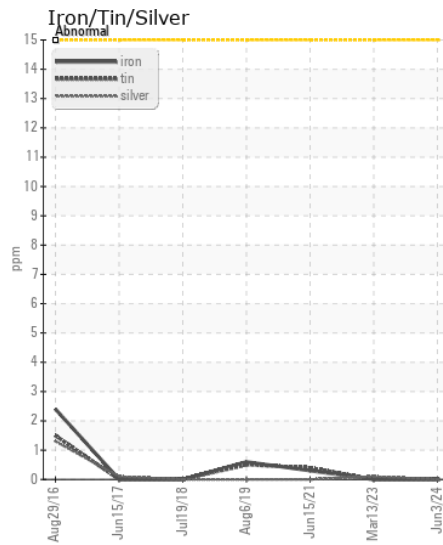
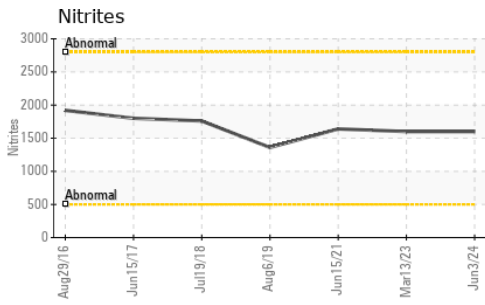
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>1</b>	2	1
Magnesium	ppm	ASTM D5185(m)	>40	<b>1</b>	0	1
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Coolant Appearance		Visual*	Clear	<b>Clear</b>	Clear	Clear

## COOLANT CONDITION

The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits.

Boiling Point	°C	WC Method*		<b>107</b>	---	---
Specific Gravity		ASTM D1298*	1.07	<b>1.068</b>	1.067	1.067
pH	Scale 0-14	ASTM D1287*	10.5	<b>8.78</b>	9.06	9.05
Nitrites	ppm	Alcan Test Kit*		<b>1600</b>	1600	1640
Reserve Alkalinity	Scale 0-20	ASTM D1121*	5.0	<b>7.3</b>	7.5	6.8
Percentage Glycol	%	ASTM D3321*		<b>50.3</b>	49.6	50.0
Freezing Point	°C	ASTM D3321*	-37	<b>-37</b>	-33	-37
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>45</b>	71	53
Phosphorus	ppm	ASTM D5185(m)		<b>823</b>	887	1044
Boron	ppm	ASTM D5185(m)		<b>318</b>	363	318
Molybdenum	ppm	ASTM D5185(m)		<b>478</b>	587	484
Sodium	ppm	ASTM D5185(m)		<b>2035</b>	1744	1325
Potassium	ppm	ASTM D5185(m)		<b>4621</b>	3092	3378
Coolant Color		Visual*	Blue	<b>Other</b>	Other	Blue



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : CU0022861  
**Lab Number** : 02640887  
**Unique Number** : 5798426  
**Test Package** : COOL ( Additional Tests: GlycolType )  
**Received** : 10 Jun 2024  
**Tested** : 11 Jun 2024  
**Diagnosed** : 11 Jun 2024 - Kevin Marson

**CUMMINS CANADA ULC - GENERATOR DIVISION**  
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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.