



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
CN [155484]
Machine Id
1862 G2 (S/N CNGU1862)
Component
Diesel Engine
Fluid
SAE 5W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CU0023259	CU0022223	CU0020874
Sample Date		Client Info		07 Apr 2024	11 Dec 2023	08 May 2023
Machine Age	hrs	Client Info		2990	2309	928
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>90	21	15	36
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	2	1	2
Lead	ppm	ASTM D5185(m)	>40	0	<1	5
Copper	ppm	ASTM D5185(m)	>330	<1	2	47
Tin	ppm	ASTM D5185(m)	>15	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

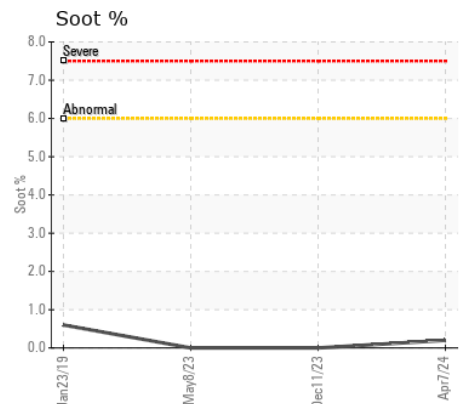
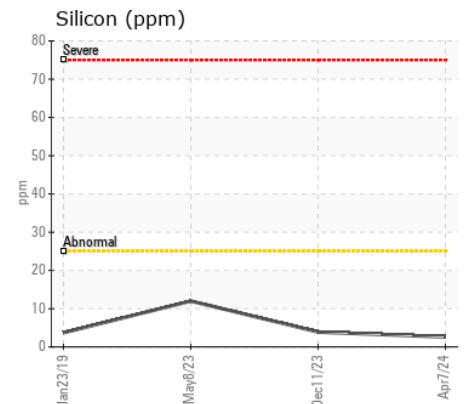
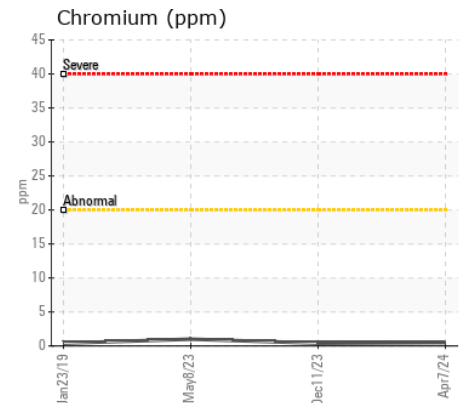
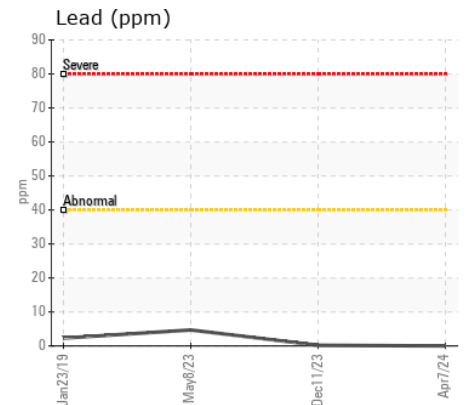
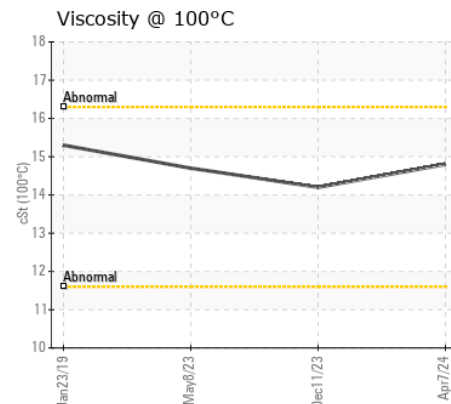
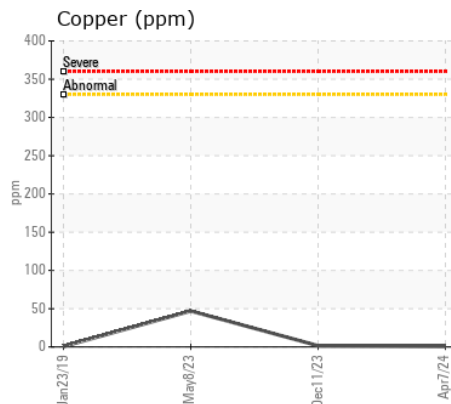
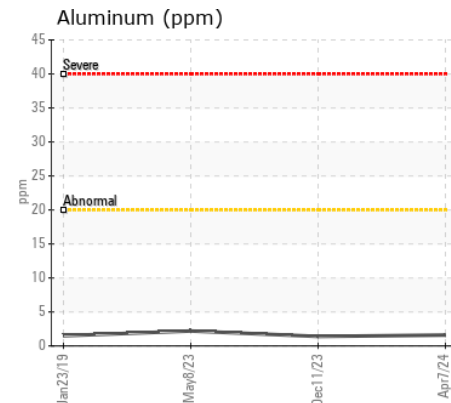
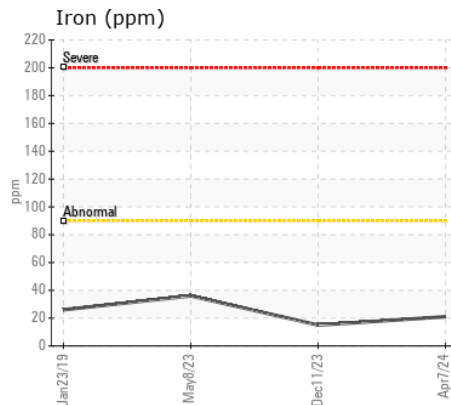
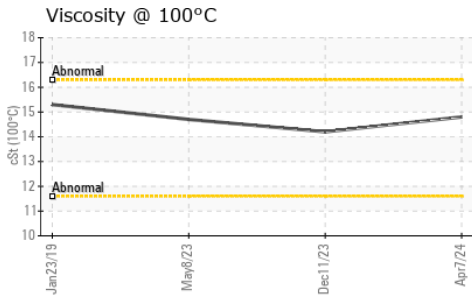
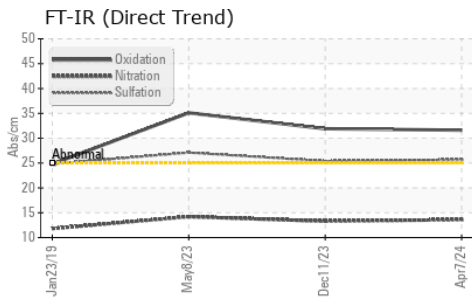
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	3	4	12
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	0
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>6	0.2	0	0
Nitration	Abs/cm	ASTM D7624*	>20	13.6	13.3	14.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.7	25.4	27.1
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		4	4	7
Boron	ppm	ASTM D5185(m)		40	35	44
Barium	ppm	ASTM D5185(m)		0	0	5
Molybdenum	ppm	ASTM D5185(m)		66	60	59
Manganese	ppm	ASTM D5185(m)		<1	0	5
Magnesium	ppm	ASTM D5185(m)		1111	1053	1020
Calcium	ppm	ASTM D5185(m)		885	819	1003
Phosphorus	ppm	ASTM D5185(m)		970	949	969
Zinc	ppm	ASTM D5185(m)		1189	1143	1118
Sulfur	ppm	ASTM D5185(m)		2601	2686	2403
Oxidation	Abs/.1mm	ASTM D7414*	>25	31.6	31.9	35.1
Visc @ 100°C	cSt	ASTM D7279(m)		14.8	14.2	14.7



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0023259
Lab Number : 02631897
Unique Number : 5773050
Test Package : MOB 1 (Additional Tests: Visual)

CUMMINS CANADA ULC - GENERATOR DIVISION
 7175 PACIFIC CIRCLE
 MISSISSAUGA, ON
 CA L5T 2A5
 Contact: Zaneef Abboobakar
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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.*

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