



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
STEELCON [152455]
Machine Id
74977212

Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)



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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		CU0022470	---	---
Sample Date	Client Info		03 Jan 2024	---	---
Machine Age	hrs Client Info		126	---	---
Oil Age	hrs Client Info		0	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>3.0	<1.0	---	---
Water	WC Method	>0.2	NEG	---	---
Glycol	WC Method		NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m)	>90	9	---	---
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	<1	---	---
Aluminum	ppm ASTM D5185(m)	>20	2	---	---
Lead	ppm ASTM D5185(m)	>40	<1	---	---
Copper	ppm ASTM D5185(m)	>330	13	---	---
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)	250	32	---	---
Barium	ppm ASTM D5185(m)	10	2	---	---
Molybdenum	ppm ASTM D5185(m)	100	51	---	---
Manganese	ppm ASTM D5185(m)		4	---	---
Magnesium	ppm ASTM D5185(m)	450	595	---	---
Calcium	ppm ASTM D5185(m)	3000	1449	---	---
Phosphorus	ppm ASTM D5185(m)	1150	905	---	---
Zinc	ppm ASTM D5185(m)	1350	1009	---	---
Sulfur	ppm ASTM D5185(m)	4250	2785	---	---
Lithium	ppm ASTM D5185(m)		<1	---	---

CONTAMINANTS

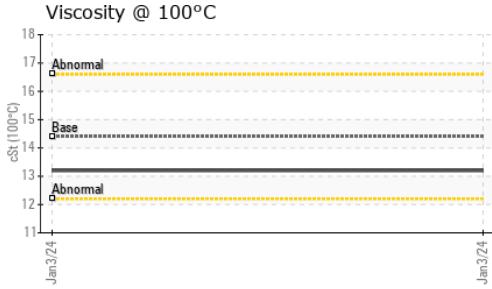
	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	>25	11	---	---
Sodium	ppm ASTM D5185(m)	>158	2	---	---
Potassium	ppm ASTM D5185(m)	>20	<1	---	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	% ASTM D7844*	>6	0	---	---
Nitration	Abs/cm ASTM D7624*	>20	6.2	---	---
Sulfation	Abs./1mm ASTM D7415*	>30	18.4	---	---



OIL ANALYSIS REPORT



FLUID DEGRADATION		method	limit/base	current	history1	history2
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Oxidation	Abs/.1mm	ASTM D7414*	>25	14.0	---	---
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VISUAL		method	limit/base	current	history1	history2
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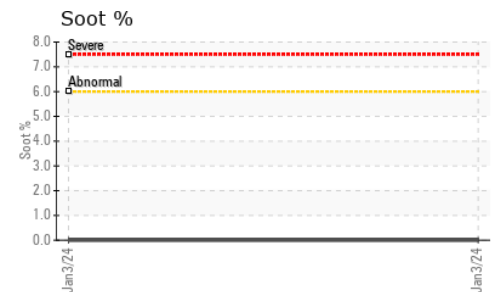
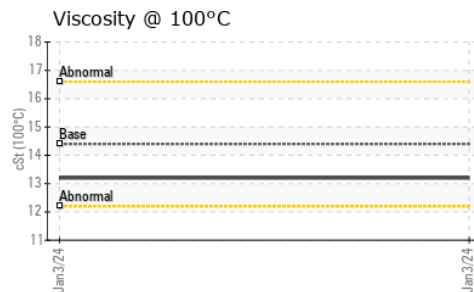
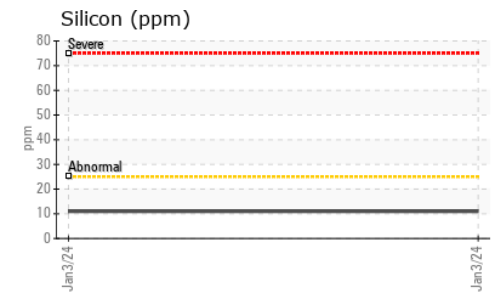
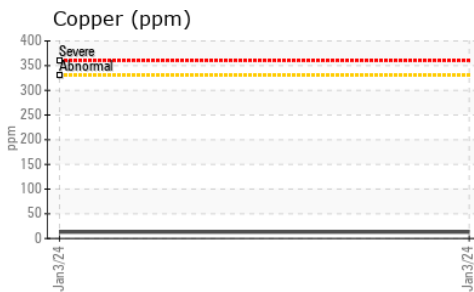
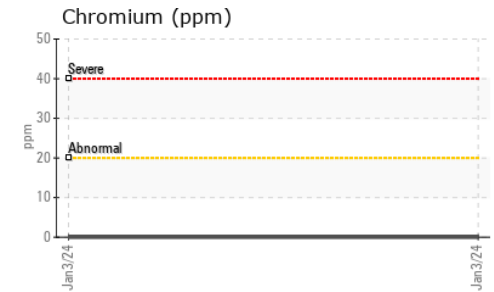
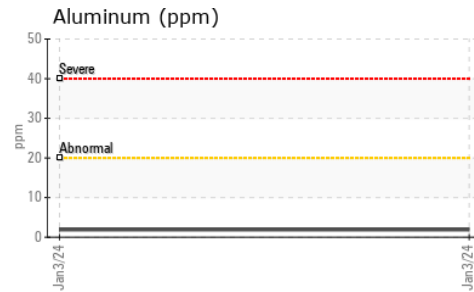
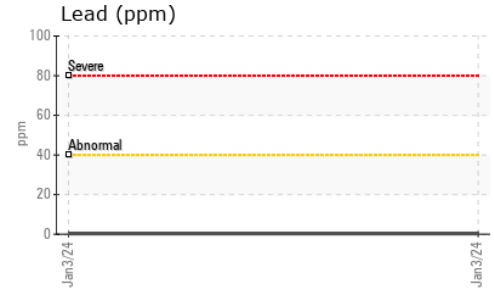
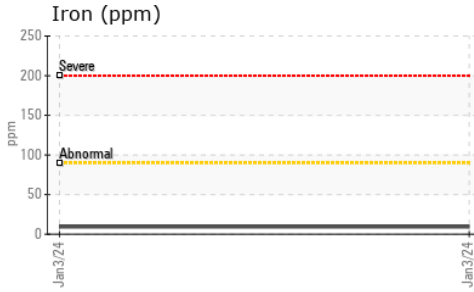
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
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Free Water	scalar	Visual*		NEG	---	---
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FLUID PROPERTIES		method	limit/base	current	history1	history2
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Visc @ 100°C	cSt	ASTM D7279(m)	14.4	13.2	---	---
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CUMMINS CANADA ULC - GENERATOR DIVISION	Recieved : 22 Jan 2024	7175 PACIFIC CIRCLE
Sample No. : CU0022470	Diagnosed : 22 Jan 2024	MISSISSAUGA, ON
Lab Number : 02610211	Diagnostician : Wes Davis	CA L5T 2A5
Unique Number : 5711297		Contact: Elisia Johnson
Test Package : MOB 1		elisia.johnson@cummins.com

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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