

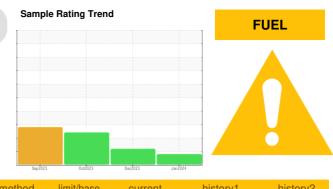
## **OIL ANALYSIS REPORT**



Machine Id CATERPILLAR R1600 SCP219 Component

**Diesel Engine** Fluic

MOBIL 15W40 (--- GAL)

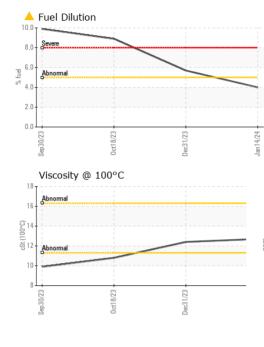


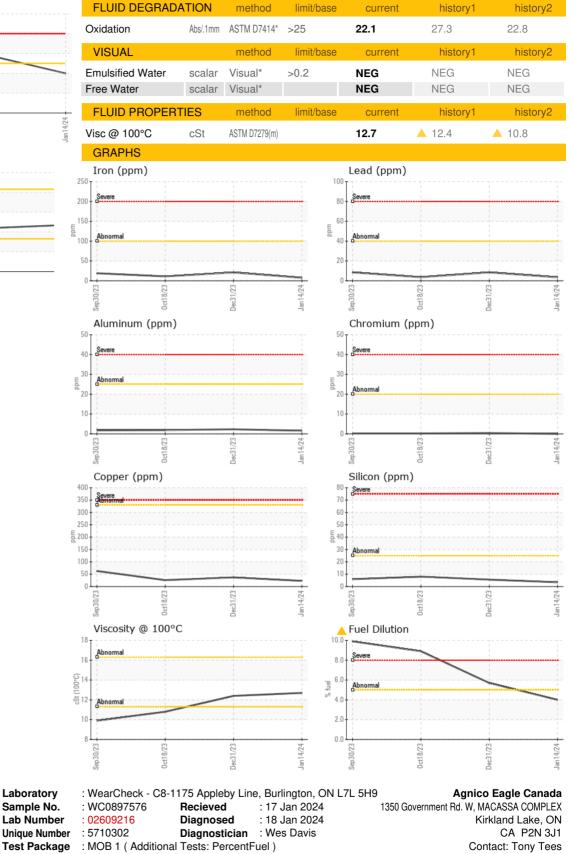
DIAGNOSIS	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		WC0897576	WC	WC0820198
The oil change at the time of sampling has been	Sample Date		Client Info		14 Jan 2024	31 Dec 2023	18 Oct 2023
noted. Resample at the next service interval to monitor. No other corrective action is recommended	Machine Age	hrs	Client Info		2605	2498	1749
	Oil Age	hrs	Client Info		0	0	164
at this time.	Oil Changed		Client Info		Changed	Not Changd	Not Changd
Wear	Sample Status				MARGINAL	ABNORMAL	SEVERE
All component wear rates are normal.	CONTAMINATION	d.	method	limit/base	current	history1	history2
Contamination		N					
Light fuel dilution occurring. No other contaminants were detected in the oil.	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
Fluid Condition The condition of the oil is acceptable for the time in	WEAR METALS		method	limit/base	current	history1	history2
service.	Iron	ppm	ASTM D5185(m)	>100	8	21	11
	Chromium	ppm	ASTM D5185(m)	>20	0	<1	<1
	Nickel	ppm	ASTM D5185(m)	>2	0	<1	0
	Titanium	ppm	ASTM D5185(m)	>2	0	0	0
	Silver	ppm	ASTM D5185(m)	>2	0	0	<1
	Aluminum	ppm	ASTM D5185(m)	>25	2	2	2
	Lead	ppm	ASTM D5185(m)	>40	4	8	4
	Copper	ppm	ASTM D5185(m)	>330	23	37	26
	Tin	ppm	ASTM D5185(m)	>15	3	5	3
	Antimony	ppm	ASTM D5185(m)		0	0	0
	Vanadium	ppm	ASTM D5185(m)		0	0	0
	Beryllium	ppm	ASTM D5185(m)		0	0	0
	Cadmium	ppm	ASTM D5185(m)		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185(m)		40	29	37
	Barium	ppm	ASTM D5185(m)		0	0	<1
	Molybdenum	ppm	ASTM D5185(m)		38	40	36
	Manganese	ppm	ASTM D5185(m)		0	0	0
	Magnesium	ppm	ASTM D5185(m)		485	483	441
	Calcium	ppm	ASTM D5185(m)		1662	1709	1593
	Phosphorus	ppm	ASTM D5185(m)		735	720	696
	Zinc	ppm	ASTM D5185(m)		843	865	900
	Sulfur	ppm	ASTM D5185(m)		2170	2055	1929
	Lithium	ppm	ASTM D5185(m)		<1	<1	<1
	CONTAMINANTS		method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185(m)	>25	4	6	8
	Sodium	ppm	ASTM D5185(m)	>118	2	4	3
	Potassium	ppm	ASTM D5185(m)	>20	<1	0	<1

Fuel	%	ASTM D7593*	>5	<b>4</b>	▲ 5.7	8.9
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.1	0.3	0
Nitration	Abs/cm	ASTM D7624*	>20	7.5	11.1	7.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.6	25.7	23.3



## **OIL ANALYSIS REPORT**





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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CALA

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Laboratory

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Sample No.

Lab Number

Unique Number