

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **2208**

Component Natural Gas Engine

VALVOLINE PREMIUM BLUE 9200 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

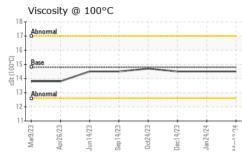
The condition of the oil is acceptable for the time in service.

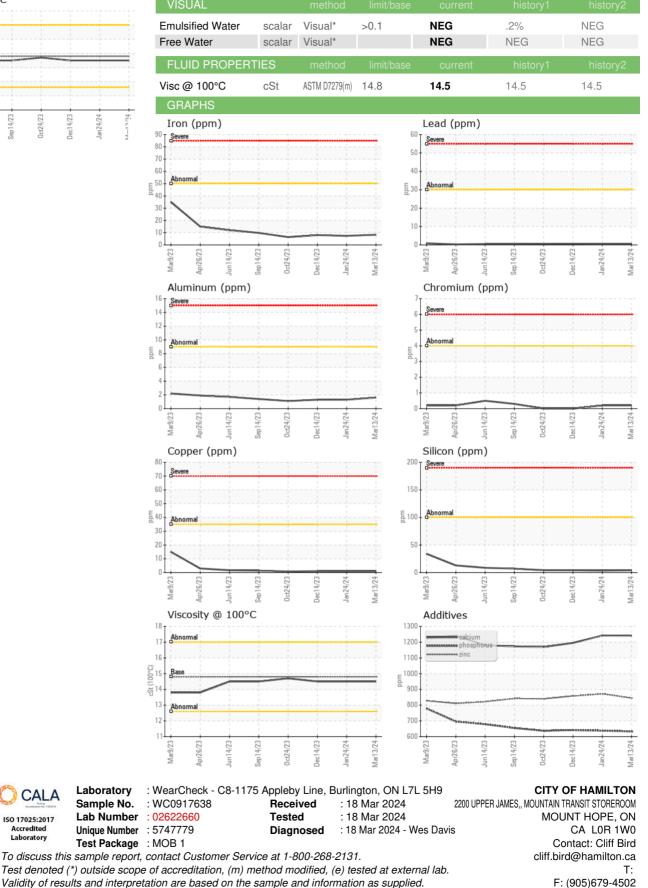
		Mar2023 /	Apr2023 Jun2023 Sep20	23 Oct2023 Dec2023 Jan2024	4 Mar2024	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0917638	WC0891092	WC0878020
Sample Date		Client Info		13 Mar 2024	24 Jan 2024	14 Dec 2023
Machine Age	kms	Client Info		68655	57625	47889
Oil Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method			0.0	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>50	8	7	8
Chromium	ppm	ASTM D5185(m)		<1	<1	0
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)		2	1	1
Lead	ppm	ASTM D5185(m)	>30	<1	<1	<1
Copper	ppm	ASTM D5185(m)		1	<1	1
Tin	ppm	ASTM D5185(m)	>4	<1	<1	0
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	1-1-	method	limit/base	current	history1	history2
Boron	nnm	ASTM D5185(m)		9	10	13
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)		54	54	53
•	ppm	ASTM D5185(m)		0	0	0
Manganese Magnesium	ppm	ASTM D5185(m)		786	773	740
-	ppm			1241	1242	1195
Calcium	ppm	ASTM D5185(m)			638	642
Phosphorus Zinc	ppm	ASTM D5185(m) ASTM D5185(m)		633 845	872	858
	ppm	(/		845 2067		1939
Sulfur Lithium	ppm	ASTM D5185(m) ASTM D5185(m)		<1	2121 <1	<1
CONTAMINANTS	ppm		line it /le e e e			
		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>+100	4	4	4
Sodium	ppm	ASTM D5185(m)	00	2	2	3
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	12.5	12.7	12.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.2	22.2	21.0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	20.8	19.9	19.6
:33:40) Rev: 1		Contact/Location: Cliff Bird - HAMHAM				

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CALA

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Laboratory

Contact/Location: Cliff Bird - HAMHAM