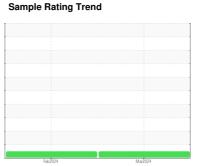


OIL ANALYSIS REPORT



NORMAL



Machine Id **2273**

Component **Natural Gas Engine**

VALVOLINE PREMIUM BLUE 9200 15W40 (

Recommendation

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

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

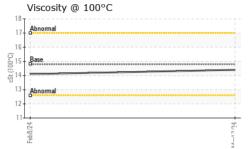
Fluid Condition

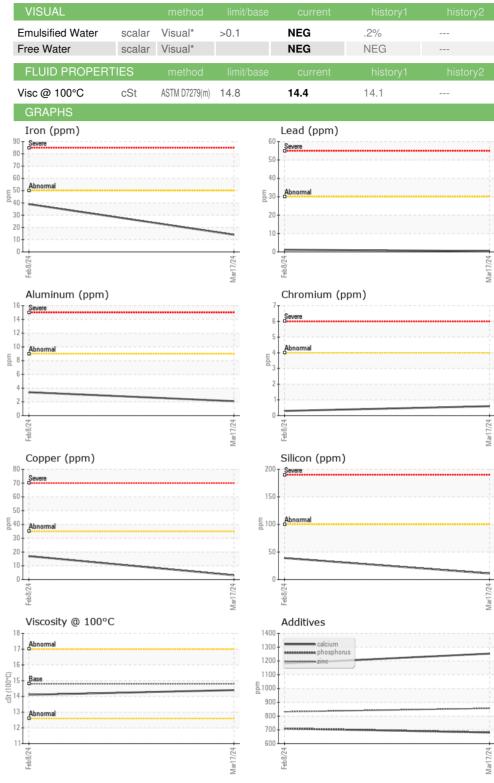
The condition of the oil is acceptable for the time in service.

(GAL)			Feb2024	Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0917567	WC0878052	
Sample Date		Client Info		17 Mar 2024	08 Feb 2024	
Machine Age	kms	Client Info		16417	0	
Oil Age	kms	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
Glycol		WC Method			0.0	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>50	14	39	
Chromium	ppm	ASTM D5185(m)	>4	<1	<1	
Nickel	ppm	ASTM D5185(m)	>2	<1	1	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)	>3	0	0	
Aluminum	ppm	ASTM D5185(m)	>9	2	3	
Lead	ppm	ASTM D5185(m)	>30	<1	1	
Copper	ppm	ASTM D5185(m)	>35	3	17	
Tin	ppm	ASTM D5185(m)	>4	<1	<1	
Antimony	ppm	ASTM D5185(m)		0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		12	21	
Barium	ppm	ASTM D5185(m)		0	3	
Molybdenum	ppm	ASTM D5185(m)		57	51	
Manganese	ppm	ASTM D5185(m)		1	12	
Magnesium	ppm	ASTM D5185(m)		803	756	
Calcium	ppm	ASTM D5185(m)		1253	1182	
Phosphorus	ppm	ASTM D5185(m)		681	710	
Zinc	ppm	ASTM D5185(m)		856	831	
Sulfur	ppm	ASTM D5185(m)		2078	2068	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>+100	11	39	
Sodium	ppm	ASTM D5185(m)		3	5	
Potassium	ppm	ASTM D5185(m)	>20	<1	2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	
Nitration	Abs/cm	ASTM D7624*	>20	12.4	10.6	
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.2	21.0	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	19.4	19.0	



OIL ANALYSIS REPORT







CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02623023 Unique Number : 5748142

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0917567

Test Package : MOB 1

Received **Tested**

: 19 Mar 2024 : 19 Mar 2024 Diagnosed

: 19 Mar 2024 - Wes Davis

2200 UPPER JAMES,, MOUNTAIN TRANSIT STOREROOM MOUNT HOPE, ON CA LOR 1W0 Contact: Jeff Parr

jeff.parr@hamilton.ca T: (905)546-2424 F: (905)679-4502

CITY OF HAMILTON

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.

Contact/Location: Jeff Parr - HAMHAM