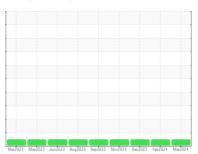


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **2211** 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

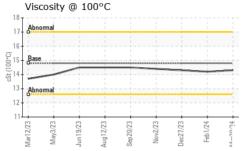
Fluid Condition

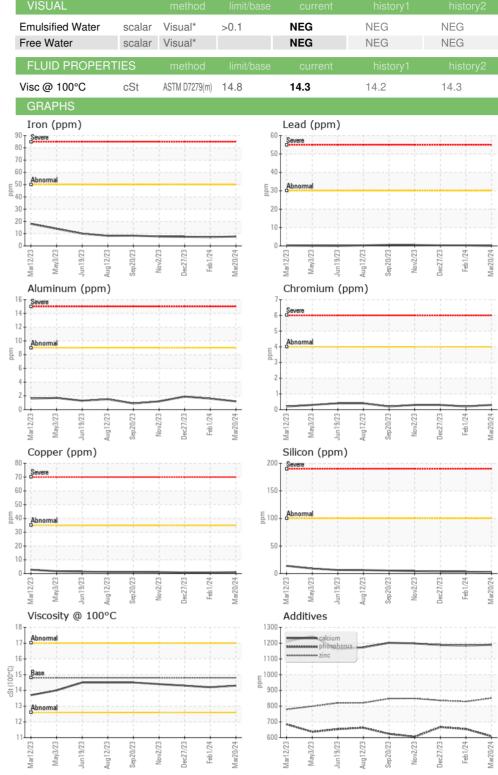
The condition of the oil is acceptable for the time in service.

(GAL)		Mar2023 Ma	y2023 Jun2023 Aug2023	Sep2023 Nov2023 Dec2023 Feb20	124 Mar ² 024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0878008	WC0890896	WC0891120
Sample Date		Client Info		20 Mar 2024	01 Feb 2024	27 Dec 2023
Machine Age	kms	Client Info		82536	71191	64591
Oil Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>50	8	7	8
Chromium	ppm	ASTM D5185(m)	>4	<1	<1	<1
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	0
Aluminum	ppm	ASTM D5185(m)	>9	1	2	2
Lead	ppm	ASTM D5185(m)	>30	0	<1	<1
Copper	ppm	ASTM D5185(m)	>35	1	<1	<1
Tin	ppm	ASTM D5185(m)	>4	0	<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		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		9	15	16
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		53	52	51
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		790	746	772
Calcium	ppm	ASTM D5185(m)		1190	1184	1188
Phosphorus	ppm	ASTM D5185(m)		609	655	667
Zinc	ppm	ASTM D5185(m)		851	829	836
Sulfur	ppm	ASTM D5185(m)		1899	2045	2011
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>+100	2	4	4
Sodium	ppm	ASTM D5185(m)		2	3	4
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	12.2	11.0	10.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.6	21.0	22.4
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	20.4	18.7	19.2



OIL ANALYSIS REPORT







CALA ISO 17025:2017 Accredited

Laboratory Sample No.

Lab Number : 02624649 Unique Number : 5749768

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0878008

Received **Tested** Diagnosed Test Package : MOB 1

: 26 Mar 2024 : 26 Mar 2024 : 26 Mar 2024 - Wes Davis

2200 UPPER JAMES,, MOUNTAIN TRANSIT STOREROOM

MOUNT HOPE, ON CA LOR 1W0 Contact: Cliff Bird cliff.bird@hamilton.ca

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.

F: (905)679-4502

T: