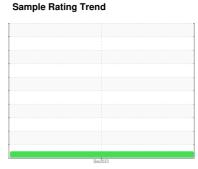


OIL ANALYSIS REPORT

→ Sai



NORMAL



Machine Id 2261

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

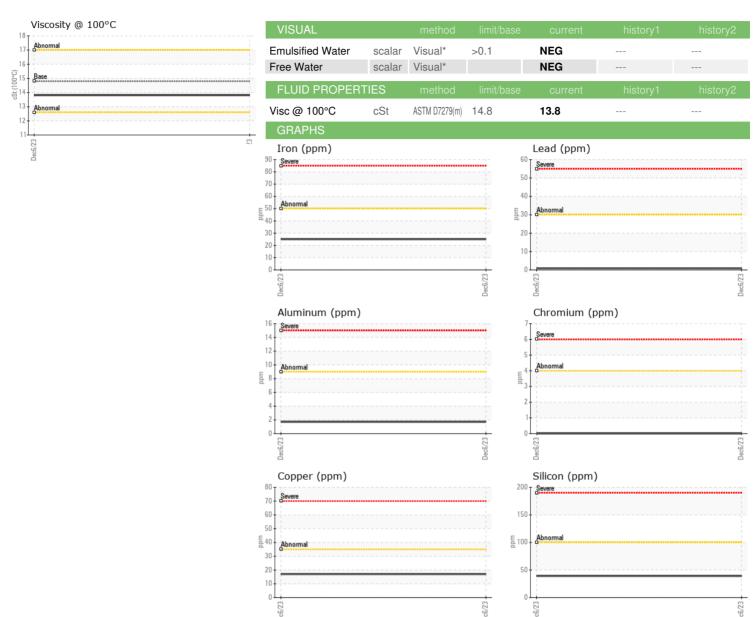
Fluid Condition

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

GAL)				Dec2023		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0878104		
Sample Date		Client Info		06 Dec 2023		
Machine Age	kms	Client Info		2891		
Oil Age	kms	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>50	25		
Chromium	ppm	ASTM D5185(m)	>4	0		
Nickel	ppm	ASTM D5185(m)	>2	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>3	<1		
Aluminum	ppm	ASTM D5185(m)	>9	2		
Lead	ppm	ASTM D5185(m)	>30	<1		
Copper	ppm	ASTM D5185(m)	>35	17		
Γin	ppm	ASTM D5185(m)	>4	<1		
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)		30		
Barium	ppm	ASTM D5185(m)		3		
Molybdenum	ppm	ASTM D5185(m)		49		
Manganese	ppm	ASTM D5185(m)		12		
Magnesium	ppm	ASTM D5185(m)		751		
Calcium	ppm	ASTM D5185(m)		1150		
Phosphorus	ppm	ASTM D5185(m)		703		
Zinc	ppm	ASTM D5185(m)		806		
Sulfur	ppm	ASTM D5185(m)		1951		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>+100	39		
Sodium	ppm	ASTM D5185(m)		6		
Potassium	ppm	ASTM D5185(m)	>20	2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0		
Nitration	Abs/cm	ASTM D7624*	>20	8.2		
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.6		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.0		



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number Unique Number

: WC0878104

cst (1

: 02602552 : 5695637 Test Package : MOB 1

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 12 Dec 2023 Diagnosed

: 12 Dec 2023 Diagnostician : Wes Davis

CITY OF HAMILTON 2200 UPPER JAMES,, MOUNTAIN TRANSIT STOREROOM

MOUNT HOPE, ON CA LOR 1W0 Contact: Jeff Parr jeff.parr@hamilton.ca

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.

Viscosity @ 100°C

T: (905)546-2424 F: (905)679-4502

Additives

1100 1000