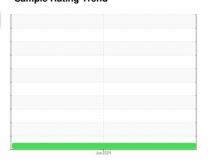


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 2270

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

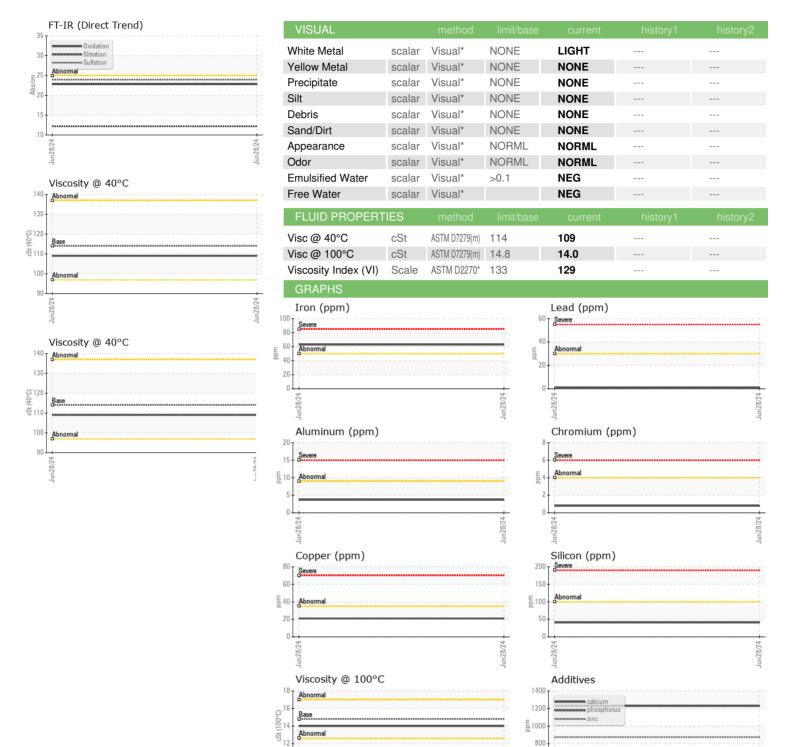
Fluid Condition

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

(GAL)				Jun2024		
SAMPLE INFORM	MATION	method	limit/base	ourront.	hiotonyt	hioton/2
	IATION		IIIIIIVDase	current	history1	history2
Sample Number		Client Info		WC0937231		
Sample Date		Client Info		28 Jun 2024		
Machine Age	kms	Client Info		12570		
Oil Age	kms	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>50	63		
Chromium	ppm	ASTM D5185(m)	>4	<1		
Nickel	ppm	ASTM D5185(m)	>2	2		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>3	0		
Aluminum	ppm	ASTM D5185(m)	>9	4		
Lead	ppm	ASTM D5185(m)	>30	1		
Copper	ppm	ASTM D5185(m)	>35	21		
Tin	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)		13		
Barium	ppm	ASTM D5185(m)		3		
Molybdenum	ppm	ASTM D5185(m)		55		
Manganese	ppm	ASTM D5185(m)		15		
Magnesium	ppm	ASTM D5185(m)		782		
Calcium	ppm	ASTM D5185(m)		1229		
Phosphorus	ppm	ASTM D5185(m)		656		
Zinc	ppm	ASTM D5185(m)		874		
Sulfur	ppm	ASTM D5185(m)		1847		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>+100	41		
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	12.2		
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.9		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	22.8		



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. : WC0937231 Lab Number : 02645230 Unique Number : 5802769

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 03 Jul 2024

600

Tested : 03 Jul 2024 Diagnosed : 03 Jul 2024 - Wes Davis

Test Package : MOB 1 (Additional Tests: KV40, VI, Visual) 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.

CITY OF HAMILTON

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CA LOR 1W0 Contact: Jeff Parr jeff.parr@hamilton.ca

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