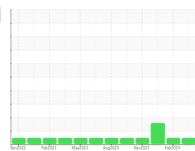


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 2105

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

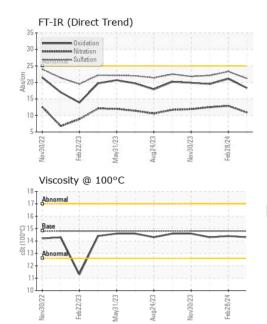
Fluid Condition

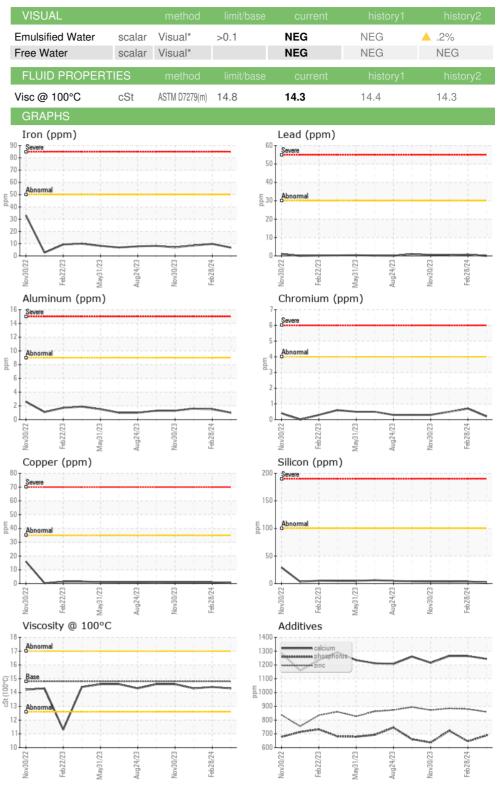
The condition of the oil is acceptable for the time in service.

(GAL)		Nov2022	Feb2023 May2023	Aug ² 023 Nov ² 023 F	eb2024	
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0917585	WC0877946	WC0891016
Sample Date		Client Info		09 Apr 2024	28 Feb 2024	16 Jan 2024
Machine Age	kms	Client Info		112250	109673	0
Oil Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINATION	J	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	7	10	8
Chromium	ppm	ASTM D5185(m)	>4	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)		1	2	2
Lead	ppm	ASTM D5185(m)	>30	0	<1	<1
Copper	ppm	ASTM D5185(m)		<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)		19	10	14
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		53	57	55
Manganese	ppm	ASTM D5185(m)		<1	0	0
Magnesium	ppm	ASTM D5185(m)		826	812	836
Calcium	ppm	ASTM D5185(m)		1244	1264	1264
Phosphorus	ppm	ASTM D5185(m)		689	646	723
Zinc	ppm	ASTM D5185(m)		859	880	885
Sulfur	ppm	ASTM D5185(m)		1967	2096	2142
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	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	10.9	12.9	12.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.2	23.3	22.1
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.3	21.1	19.5



OIL ANALYSIS REPORT







CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. Lab Number : 02628384 Unique Number : 5761516

: WC0917585 Test Package : MOB 1

To discuss this sample report, contact Customer Service at 1-800-268-2131.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 12 Apr 2024 **Tested**

Diagnosed

: 12 Apr 2024 : 12 Apr 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

CITY OF HAMILTON

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. F: (905)679-4502