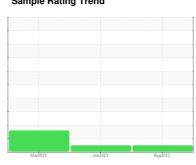


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **2223** Component **Natural Gas Engine** NOT GIVEN (--- GAL)

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

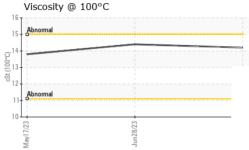
Fluid Condition

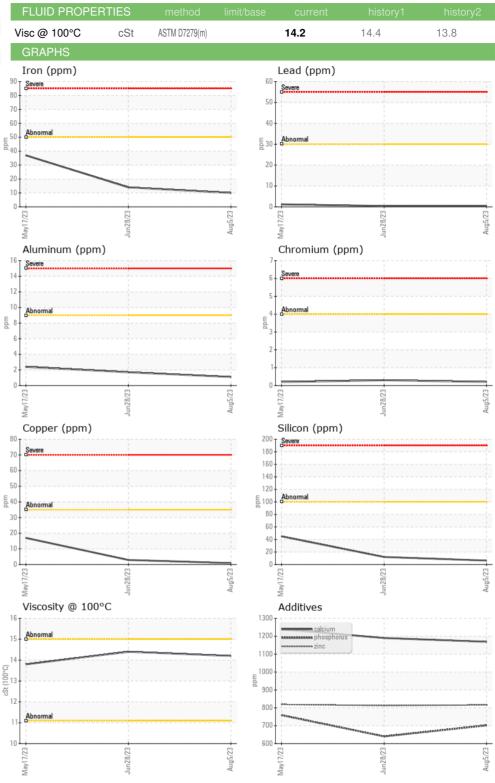
The condition of the oil is acceptable for the time in service.

		Ma	y2023	Jun2023 Aug20	23	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0830157	WC0791507	WC0791356
Sample Date		Client Info		05 Aug 2023	28 Jun 2023	17 May 2023
Machine Age	kms	Client Info		0	15410	0
Oil Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>50	10	14	37
Chromium	ppm	ASTM D5185(m)	>4	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	0	<1	<1
Titanium	ppm	ASTM D5185(m)		<1	<1	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>9	1	2	2
Lead	ppm	ASTM D5185(m)	>30	<1	<1	1
Copper	ppm	ASTM D5185(m)	>35	<1	3	17
Tin	ppm	ASTM D5185(m)	>4	<1	<1	<1
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)		16	10	20
Barium	ppm	ASTM D5185(m)		0	<1	3
Molybdenum	ppm	ASTM D5185(m)		50	50	49
Manganese	ppm	ASTM D5185(m)		<1	2	12
Magnesium	ppm	ASTM D5185(m)		769	780	754
Calcium	ppm	ASTM D5185(m)		1169	1190	1239
Phosphorus	ppm	ASTM D5185(m)		702	640	759
Zinc	ppm	ASTM D5185(m)		816	812	819
Sulfur	ppm	ASTM D5185(m)		1926	1890	2017
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>+100	6	12	<u>45</u>
Sodium	ppm	ASTM D5185(m)		2	2	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	11.0	11.9	10.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.3	21.5	20.5
FLUID DEGRADA	TION _	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.5	19.9	19.0
VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.1		NEG	NEG
	Sudidi		>U. I	NEG		
Free Water	scalar	Visual*		NEG	NEG	NEG



OIL ANALYSIS REPORT







CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number Unique Number : 5620718

Test Package : MOB 1

: WC0830157 : 02575667

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received Diagnosed Diagnostician : Wes Davis

: 14 Aug 2023 : 14 Aug 2023

CITY OF HAMILTON 2200 UPPER JAMES,, MOUNTAIN TRANSIT STOREROOM MOUNT HOPE, ON

CA LOR 1W0 Contact: Cliff Bird cliff.bird@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.

T: F: (905)679-4502