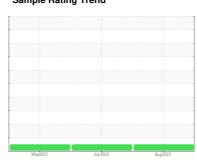


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **2222**Component

Natural Gas Engine

DIESEL ENGINE OIL SAE 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

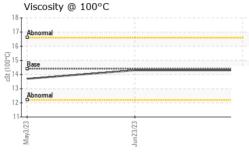
Fluid Condition

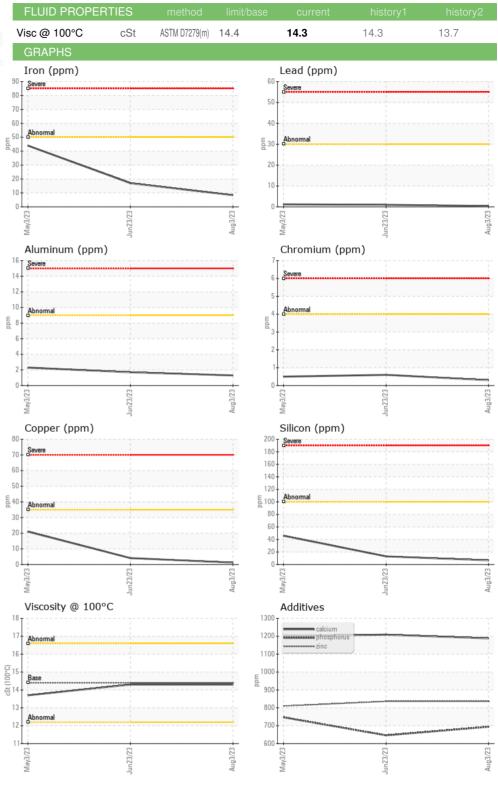
The condition of the oil is acceptable for the time in service.

		Ma	y2023	Jun2023 Aug20	123	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0830194	WC0791458	WC0811330
Sample Date		Client Info		03 Aug 2023	23 Jun 2023	03 May 2023
Machine Age	kms	Client Info		24030	0	6447
Oil Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>50	8	17	44
Chromium	ppm	ASTM D5185(m)	>4	<1	<1	<1
Vickel	ppm	ASTM D5185(m)	>2	<1	<1	1
Γitanium	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
_ead	ppm	ASTM D5185(m)	>30	<1	1	1
Copper	ppm	ASTM D5185(m)	>35	1	4	21
Γin	ppm	ASTM D5185(m)	>4	<1	<1	<1
Antimony	ppm	ASTM D5185(m)		0	0	<1
/anadium	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)	250	14	8	22
Barium	ppm	ASTM D5185(m)	10	0	<1	4
Molybdenum	ppm	ASTM D5185(m)	100	50	51	49
Manganese	ppm	ASTM D5185(m)		<1	2	15
Magnesium	ppm	ASTM D5185(m)	450	800	779	744
Calcium	ppm	ASTM D5185(m)	3000	1188	1209	1202
Phosphorus	ppm	ASTM D5185(m)	1150	694	646	747
Zinc	ppm	ASTM D5185(m)	1350	836	836	810
Sulfur	ppm	ASTM D5185(m)	4250	1961	1874	1982
_ithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>+100	7	13	46
Sodium	ppm	ASTM D5185(m)	>158	2	3	5
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	11.2	12.0	11.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.5	22.7	20.7
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.8	20.9	18.7
VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG
Free Water	scalar	Visual*	2.0.1	NEG	NEG	NEG
I ICE VValeI	Scalai	Visual		ILG	NLG	IVLG



OIL ANALYSIS REPORT







CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number Unique Number : 5620658 Test Package : MOB 1

: 02575607

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0830194

Received Diagnosed

: 14 Aug 2023 : 14 Aug 2023 Diagnostician : Wes Davis

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

CA LOR 1W0 Contact: Cliff Bird

F: (905)679-4502

cliff.bird@hamilton.ca T:

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.

Contact/Location: Cliff Bird - HAMHAM