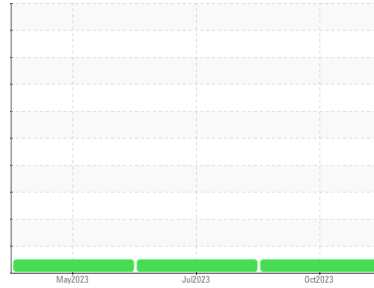




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
2226
 Component
Natural Gas Engine
 Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS

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 oil.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0849906	WC0811622	WC0791301
Sample Date	Client Info		01 Oct 2023	04 Jul 2023	19 May 2023
Machine Age	hrs	Client Info	0	18740	0
Oil Age	hrs	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	
Iron	ppm	ASTM D5185(m)	>50	8	8	37
Chromium	ppm	ASTM D5185(m)	>4	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)	>3	<1	0	0
Aluminum	ppm	ASTM D5185(m)	>9	1	1	3
Lead	ppm	ASTM D5185(m)	>30	<1	<1	2
Copper	ppm	ASTM D5185(m)	>35	1	3	17
Tin	ppm	ASTM D5185(m)	>4	0	<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)		15	24	25
Barium	ppm	ASTM D5185(m)		<1	0	2
Molybdenum	ppm	ASTM D5185(m)		54	50	51
Manganese	ppm	ASTM D5185(m)		0	1	11
Magnesium	ppm	ASTM D5185(m)		817	789	764
Calcium	ppm	ASTM D5185(m)		1249	1212	1252
Phosphorus	ppm	ASTM D5185(m)		693	724	720
Zinc	ppm	ASTM D5185(m)		889	842	849
Sulfur	ppm	ASTM D5185(m)		1965	1875	1923
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>+100	5	8	33
Sodium	ppm	ASTM D5185(m)		5	4	5
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	2

INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	11.0	9.9	10.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.7	21.9	22.5

FLUID DEGRADATION

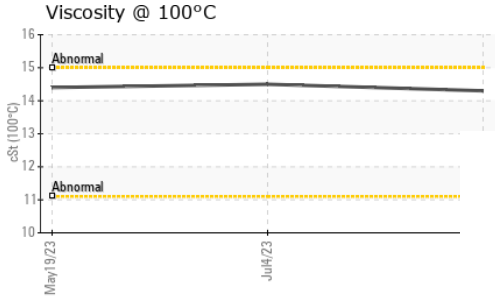
	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.5	19.3	19.8

VISUAL

	method	limit/base	current	history1	history2	
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG

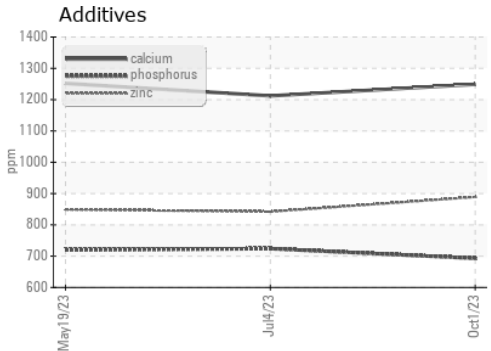
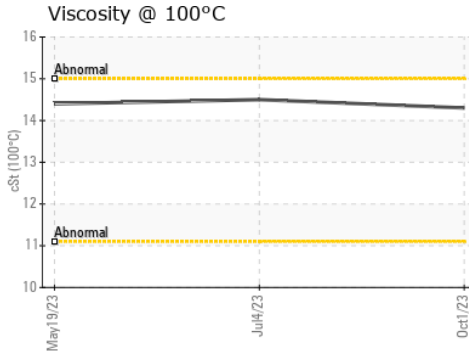
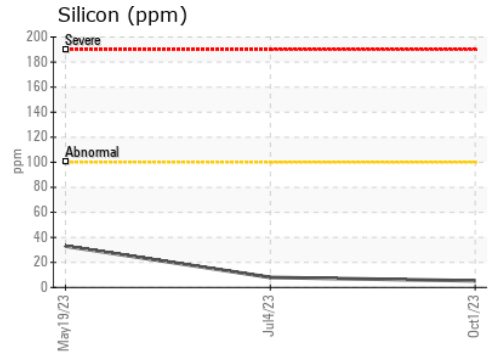
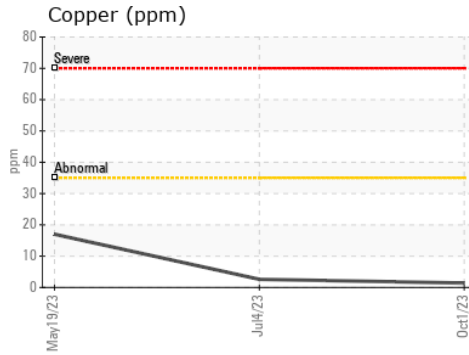
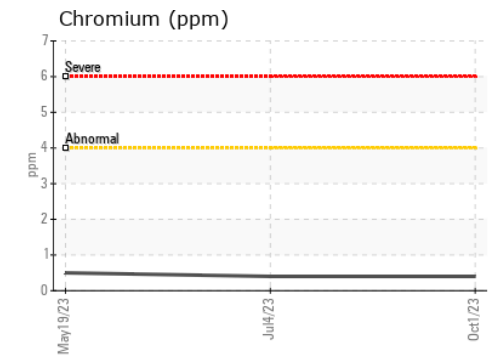
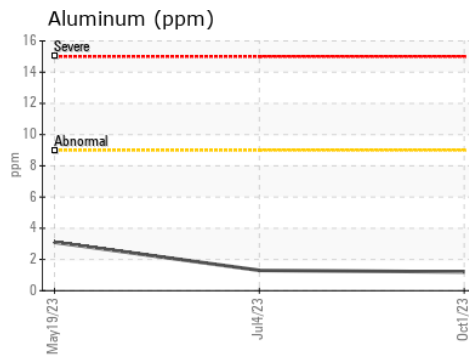
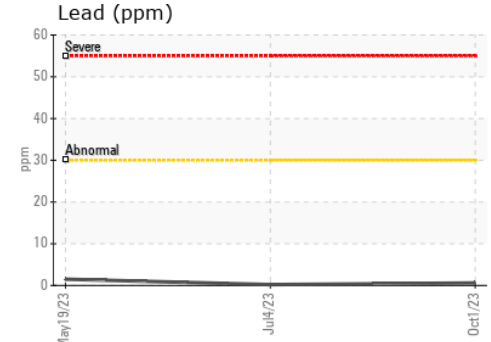
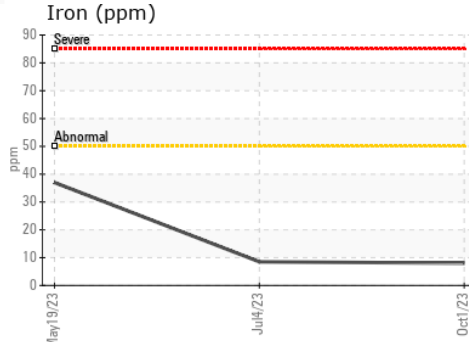


OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)		14.3	14.5	14.4

GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
 Sample No. : WC0849906 Received : 04 Oct 2023
 Lab Number : 02586651 Diagnosed : 04 Oct 2023
 Unique Number : 5655717 Diagnostician : Wes Davis
 Test Package : MOB 1

CITY OF HAMILTON
 2200 UPPER JAMES., MOUNTAIN TRANSIT STOREROOM
 MOUNT HOPE, ON
 CA L0R 1W0
 Contact: Ron Skinner
 ron.skinner@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