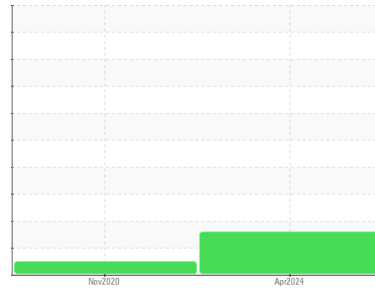




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
T001275 (S/N 17-M-10-2193)
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

DIAGNOSIS

▲ Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

There is a trace of moisture present in the oil. Test for glycol is negative.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0910009	WC0507110	---
Sample Date	Client Info		08 Apr 2024	16 Nov 2020	---
Machine Age	hrs	Client Info	7355	3230	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	Not Changd	---
Sample Status			MARGINAL	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	<1.0	---

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>100	6	49	---
Chromium	ppm	ASTM D5185(m)	>20	0	<1	---
Nickel	ppm	ASTM D5185(m)	>4	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	<1	5	---
Lead	ppm	ASTM D5185(m)	>40	0	3	---
Copper	ppm	ASTM D5185(m)	>330	1	6	---
Tin	ppm	ASTM D5185(m)	>15	0	<1	---
Antimony	ppm	ASTM D5185(m)		0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	<1	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	250	2	276	---
Barium	ppm	ASTM D5185(m)	10	0	0	---
Molybdenum	ppm	ASTM D5185(m)	100	59	131	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)	450	984	711	---
Calcium	ppm	ASTM D5185(m)	3000	1051	1577	---
Phosphorus	ppm	ASTM D5185(m)	1150	1034	718	---
Zinc	ppm	ASTM D5185(m)	1350	1213	899	---
Sulfur	ppm	ASTM D5185(m)	4250	2817	2380	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS

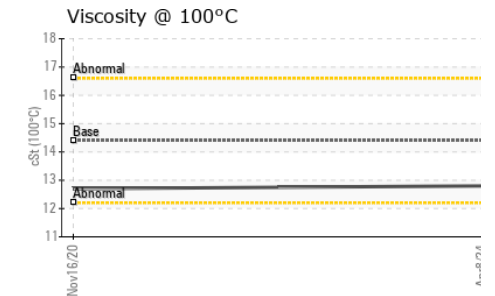
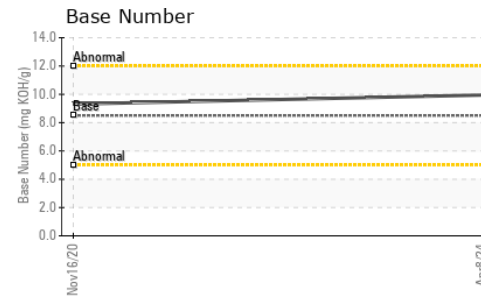
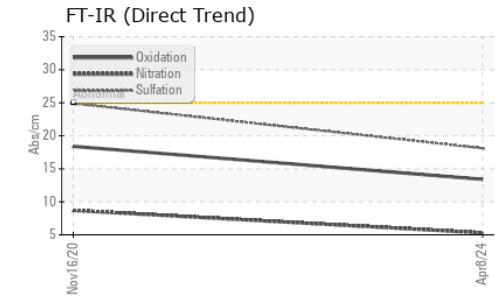
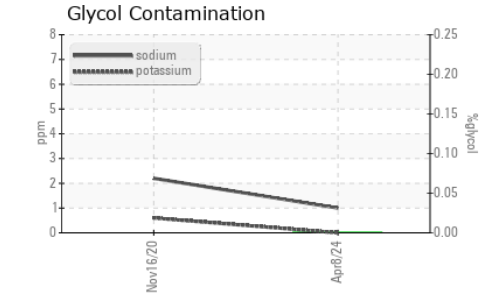
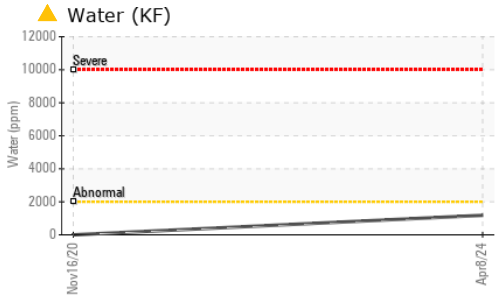
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	1	8	---
Sodium	ppm	ASTM D5185(m)	>158	1	2	---
Potassium	ppm	ASTM D5185(m)	>20	0	<1	---
Water	%	ASTM D6304*	>0.2	▲ 0.118	---	---
ppm Water	ppm	ASTM D6304*	>2000	▲ 1182	---	---
Glycol	%	ASTM D7922*		0.0	NEG	---

INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>3	0	0.6	---
Nitration	Abs/cm	ASTM D7624*	>20	5.3	8.7	---
Sulfation	Abs./1mm	ASTM D7415*	>30	18.1	24.9	---



OIL ANALYSIS REPORT

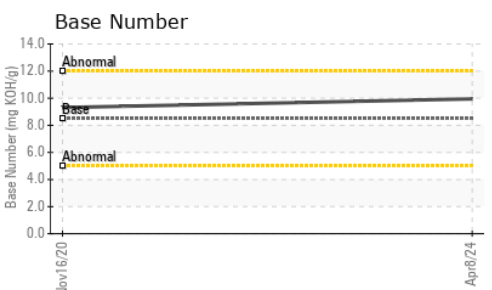
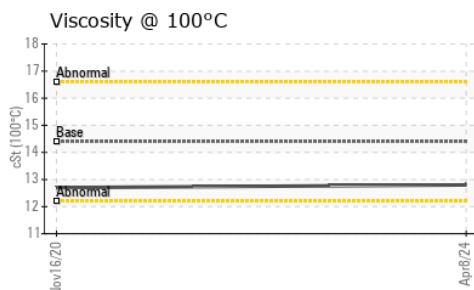
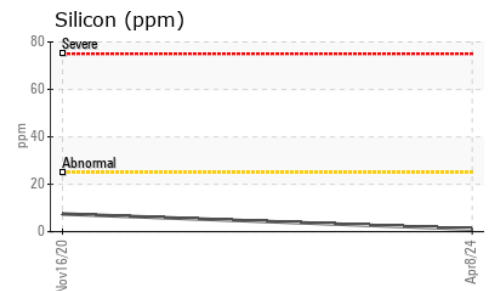
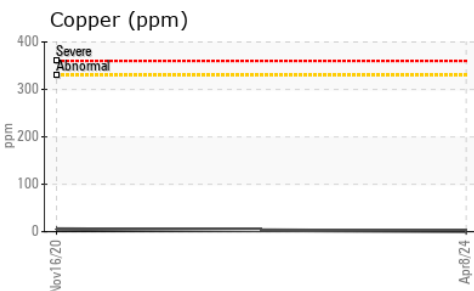
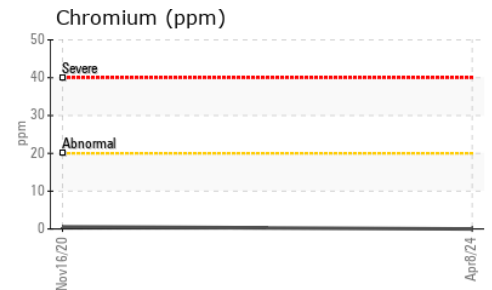
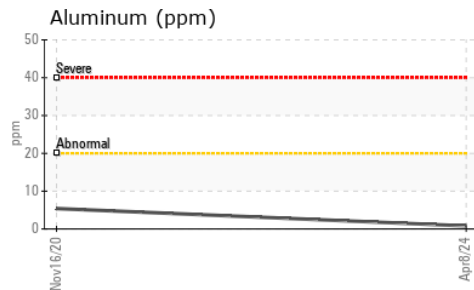
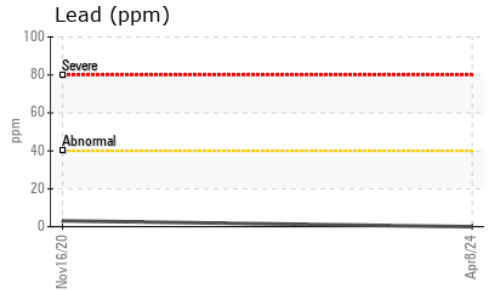
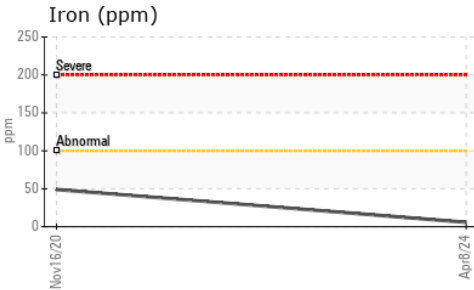


FLUID DEGRADATION	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.4	18.4	---
Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	9.95	9.31	---

VISUAL	method	limit/base	current	history1	history2	
Emulsified Water	scalar	Visual*	>0.2	▲.2%	NEG	---
Free Water	scalar	Visual*		NEG	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	12.8	12.7	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0910009 **Received** : 10 Apr 2024
Lab Number : **02627785** **Tested** : 10 Apr 2024
Unique Number : 5760917 **Diagnosed** : 11 Apr 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: Glycol, KF)

RWF Industries
 873 Devonshire Ave.
 Woodstock, ON
 CA N4S 8Z4
 Contact: Tami Arnold
 tamia@rwfbron.com

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.

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