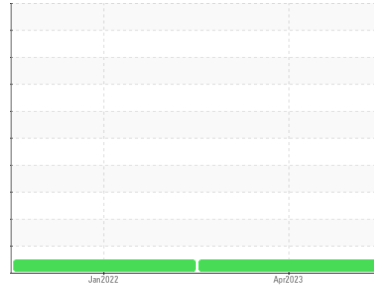


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Area
HUMBER RIVER HOSPITAL [78791]
Machine Id
2013806810
Component
Diesel Engine
Fluid
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 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		WA0018690	WA0017335	---
Sample Date	Client Info		18 Apr 2023	31 Jan 2022	---
Machine Age	hrs	Client Info	94	16	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			NORMAL	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	6	---
Chromium	ppm	ASTM D5185(m)	>20	0	0	---
Nickel	ppm	ASTM D5185(m)	>4	0	<1	---
Titanium	ppm	ASTM D5185(m)		<1	<1	---
Silver	ppm	ASTM D5185(m)	>3	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	4	1	---
Lead	ppm	ASTM D5185(m)	>40	<1	1	---
Copper	ppm	ASTM D5185(m)	>330	4	6	---
Tin	ppm	ASTM D5185(m)	>15	1	1	---
Antimony	ppm	ASTM D5185(m)		<1	<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	17	79	---
Barium	ppm	ASTM D5185(m)	10	0	<1	---
Molybdenum	ppm	ASTM D5185(m)	100	50	13	---
Manganese	ppm	ASTM D5185(m)		<1	2	---
Magnesium	ppm	ASTM D5185(m)	450	909	647	---
Calcium	ppm	ASTM D5185(m)	3000	1266	1448	---
Phosphorus	ppm	ASTM D5185(m)	1150	1142	1040	---
Zinc	ppm	ASTM D5185(m)	1350	1222	1125	---
Sulfur	ppm	ASTM D5185(m)	4250	2943	3078	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	15	32	---
Sodium	ppm	ASTM D5185(m)	>158	2	4	---
Potassium	ppm	ASTM D5185(m)	>20	31	8	---
Glycol	%	ASTM D7922*		0.0	NEG	---

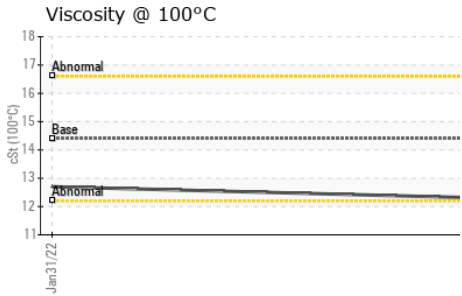
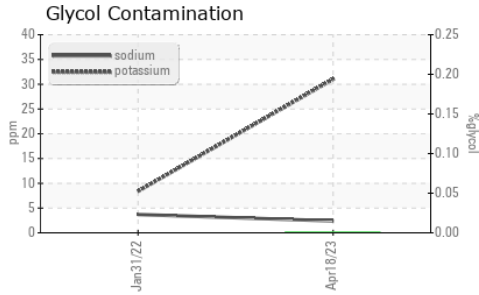
INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>3	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	5.2	5.8	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.5	21.0	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.4	14.7	---

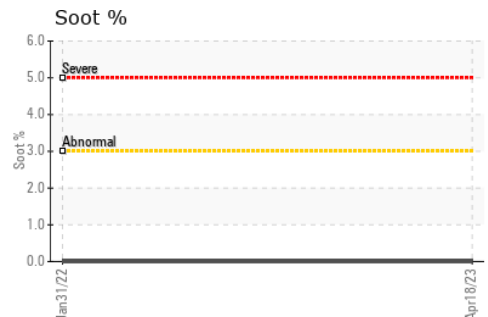
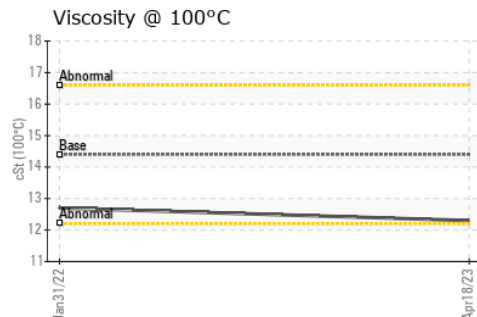
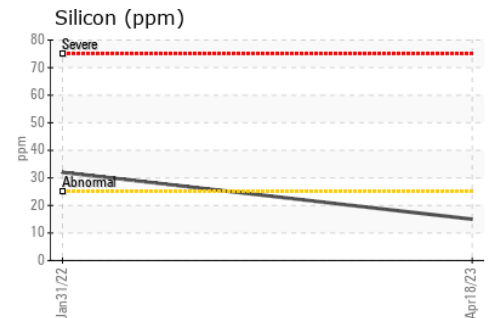
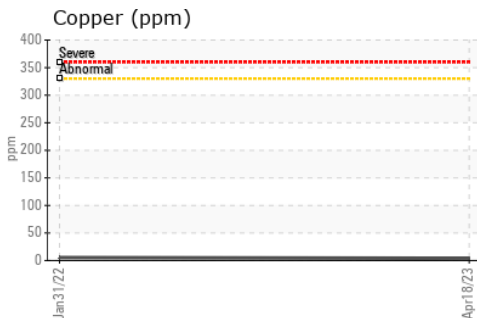
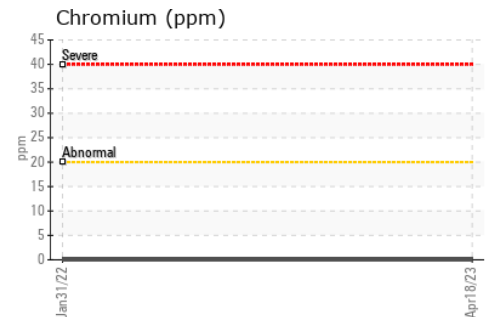
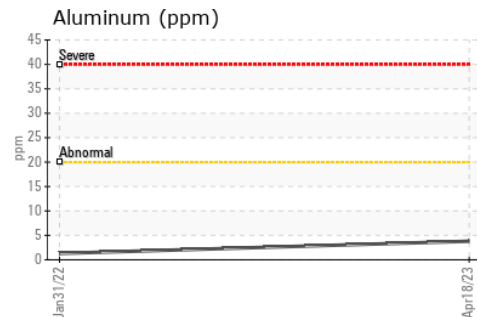
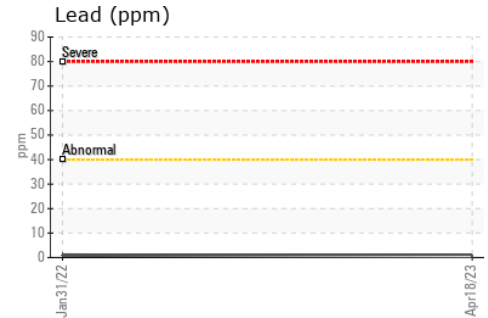
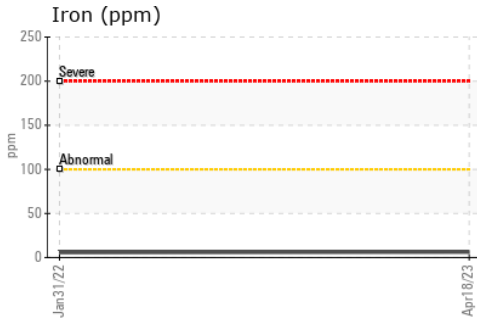
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	12.3	12.7

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0018690 **Received** : 03 May 2023
Lab Number : 02554977 **Diagnosed** : 03 May 2023
Unique Number : 5567992 **Diagnostician** : Wes Davis
Test Package : MOB 1 (Additional Tests: Glycol)

Wajax Power Systems
 10 Diesel Drive
 Toronto, ON
 CA M8W 2T8
 Contact: David Gilkes
 dgilkes@wajax.com
 T: (416)259-3281
 F: (416)251-6191

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.