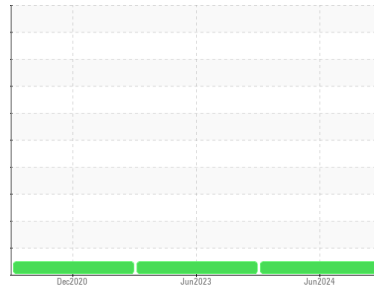


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**TSCC #1976 [298579]**

Machine Id

**MAGNA PLUS RG6081A177542**

Component

**Diesel Engine**

Fluid

**NEW HOLLAND AMBRA MASTERGOLD HSP15W40 (--- LTR)**

**DIAGNOSIS**

**Recommendation**

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

**Wear**

Metal levels are typical for a new component breaking in.

**Contamination**

There is no indication of any contamination in the oil.

**Fluid Condition**

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WA0021437</b>	WA0019570	WA0015813
Sample Date	Client Info			<b>27 Jun 2024</b>	12 Jun 2023	07 Dec 2020
Machine Age	hrs	Client Info		<b>64</b>	61	55
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>Changed</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method		>2.1	<b>&lt;1.0</b>	<1.0	<1.0
Water	WC Method		>0.21	<b>NEG</b>	NEG	NEG

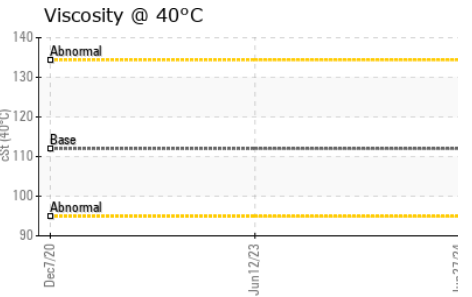
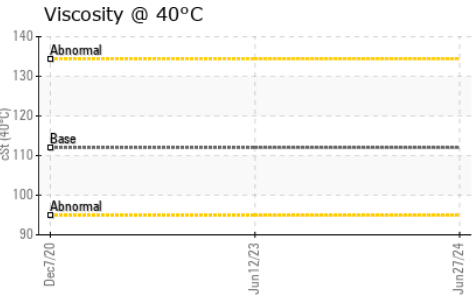
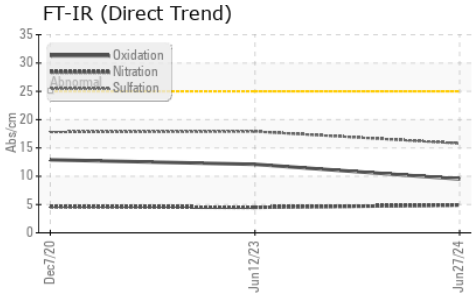
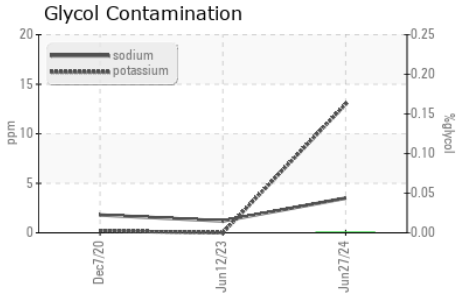
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>51	<b>2</b>	2	2
Chromium	ppm	ASTM D5185(m)	>11	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>31	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>26	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>26	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>5</b>	6	7
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>12</b>	51	51
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>183</b>	838	832
Calcium	ppm	ASTM D5185(m)		<b>1960</b>	1232	1209
Phosphorus	ppm	ASTM D5185(m)		<b>830</b>	1088	1008
Zinc	ppm	ASTM D5185(m)	1700	<b>960</b>	1154	1220
Sulfur	ppm	ASTM D5185(m)		<b>2808</b>	2797	2912
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>22	<b>4</b>	23	5
Sodium	ppm	ASTM D5185(m)	>31	<b>4</b>	1	2
Potassium	ppm	ASTM D5185(m)	>20	<b>13</b>	0	<1
Glycol	%	ASTM D7922*		<b>0.0</b>	NEG	NEG

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>4.9</b>	4.5	4.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>15.8</b>	17.9	17.8

# OIL ANALYSIS REPORT

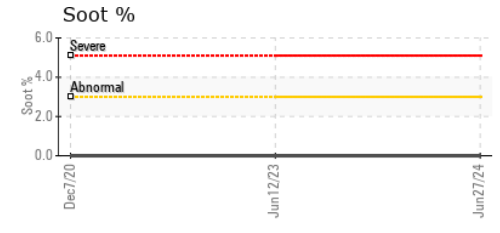
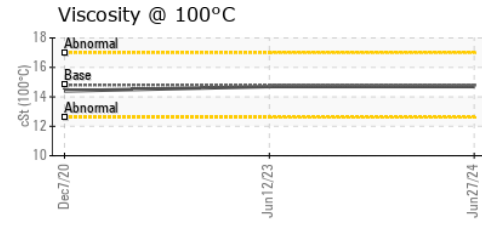
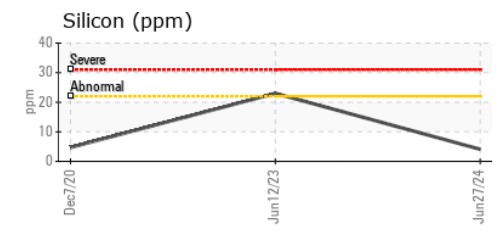
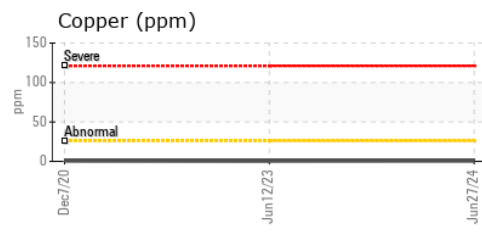
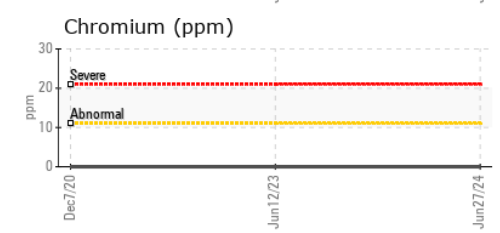
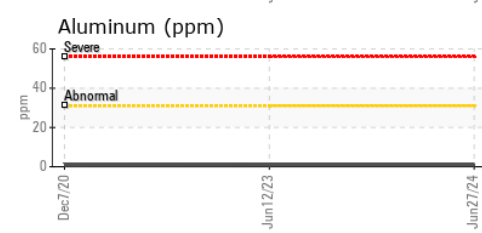
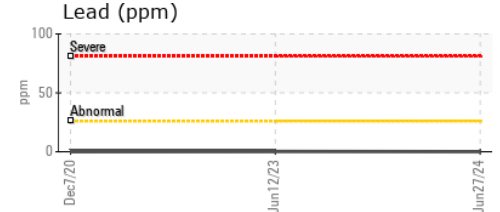
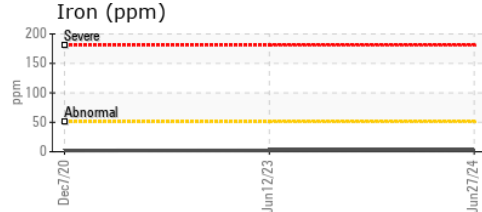


FLUID DEGRADATION	method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	<b>9.5</b>	12.1	12.9

VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.21	<b>NEG</b>	NEG	NEG
Free Water	scalar	Visual*		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	112	<b>109</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.8	<b>14.7</b>	14.7	14.4
Viscosity Index (VI)	Scale	ASTM D2270*	136	<b>139</b>	---	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0021437 **Received** : 03 Jul 2024  
**Lab Number** : **02645155** **Tested** : 04 Jul 2024  
**Unique Number** : 5802694 **Diagnosed** : 04 Jul 2024 - Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: Glycol, KV40, VI, Visual )

**Wajax Power Systems**  
 10 Diesel Drive  
 Toronto, ON  
 CA M8W 2T8  
 Contact: Joe Souza  
 jsouza@wajax.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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