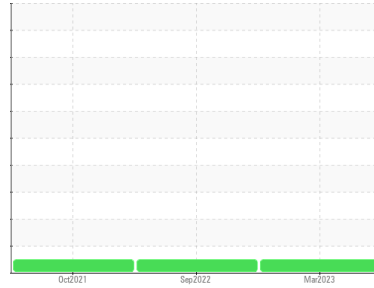




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**CASE 2388**

Component  
**Diesel Engine**

Fluid  
**NEW HOLLAND AMBRA MASTERGOLD HSP15W40 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### 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	history 1	history 2
Sample Number	Client Info			<b>WC0808252</b>	WC0808244	WC0808242
Sample Date	Client Info			<b>26 Mar 2023</b>	26 Sep 2022	18 Oct 2021
Machine Age	hrs	Client Info		<b>3379</b>	3869	3614
Oil Age	hrs	Client Info		<b>115</b>	255	235
Oil Changed	Client Info			<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history 1	history 2
Fuel	WC Method	>5		<b>&lt;1.0</b>	<1.0	<1.0
Glycol	WC Method			<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185(m)	>90	<b>13</b>	31	22
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>2</b>	2	2
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	11	7
Copper	ppm	ASTM D5185(m)	>330	<b>1</b>	2	2
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	<1
Antimony	ppm	ASTM D5185(m)		<b>23</b>	2	20
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	history 1	history 2
Boron	ppm	ASTM D5185(m)		<b>381</b>	118	316
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>79</b>	58	88
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>468</b>	384	499
Calcium	ppm	ASTM D5185(m)		<b>1813</b>	2298	1916
Phosphorus	ppm	ASTM D5185(m)		<b>1153</b>	1237	1220
Zinc	ppm	ASTM D5185(m)	1700	<b>1284</b>	1447	1407
Sulfur	ppm	ASTM D5185(m)		<b>3021</b>	3069	3061
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

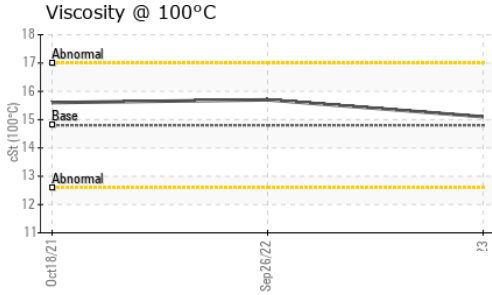
CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185(m)	>25	<b>6</b>	6	6
Sodium	ppm	ASTM D5185(m)		<b>4</b>	4	4
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	2	0

INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	ASTM D7844*	>6	<b>0.3</b>	0.7	0.6
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.6</b>	10.9	10.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>23.9</b>	26.4	26.3

FLUID DEGRADATION		method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>19.1</b>	23.8	22.5



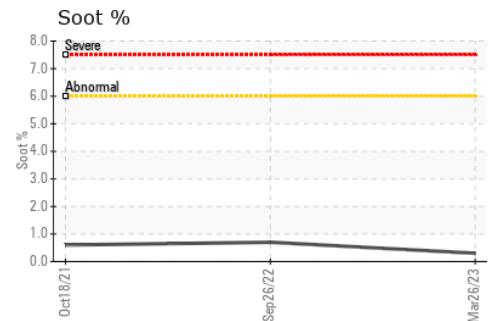
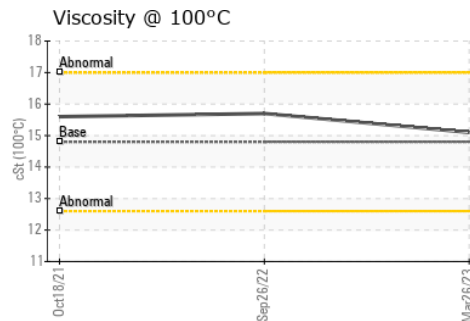
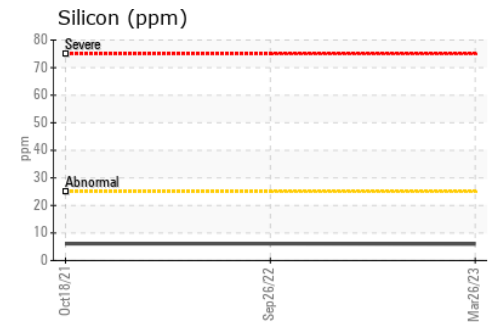
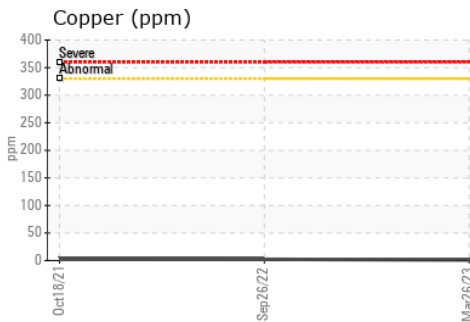
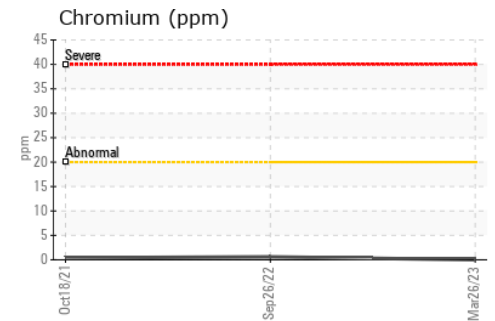
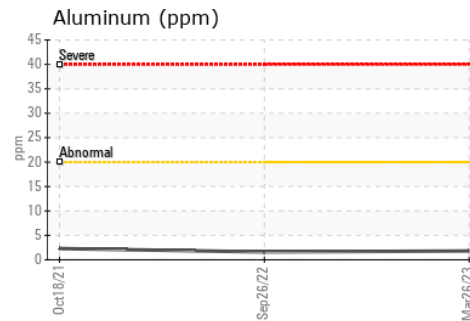
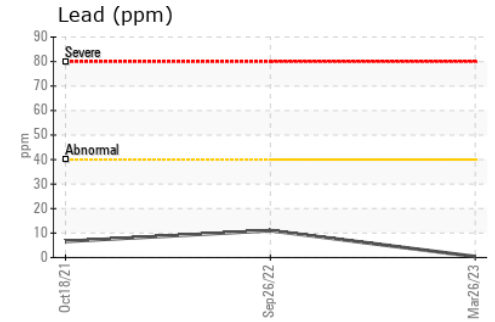
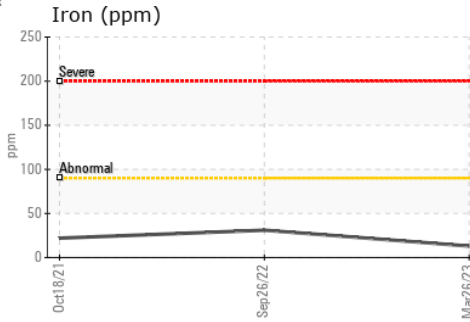
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history 1	history 2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 100°C	cSt	ASTM D7279(m)	14.8	15.7	15.6

## GRAPHS



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0808252  
**Lab Number** : 02553832  
**Unique Number** : 5566847  
**Test Package** : MOB 1

**Received** : 27 Apr 2023  
**Diagnosed** : 27 Apr 2023  
**Diagnostician** : Wes Davis

**3RD MERIDIAN FARM**  
 BOX 327  
 ASSINIBOIA, SK  
 CA S0H 0B0

Contact: Matthew Heatcoat  
 3rdmeridianfarms@protonmail.com

T: (306)640-5209  
 F:

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.