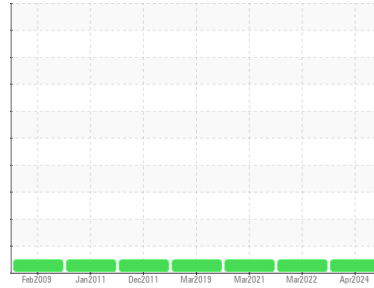




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**JOHN DEERE M0085**  
 Component  
**Diesel Engine**  
 Fluid  
**DISEL ENGINE OIL SAE 15W40 (24 LTR)**

### DIAGNOSIS

#### Recommendation

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

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>WC0836762</b>	WC0634035	WC0510757
Sample Date	Client Info		<b>09 Apr 2024</b>	16 Mar 2022	15 Mar 2021
Machine Age	hrs	Client Info	<b>551</b>	505	469
Oil Age	hrs	Client Info	<b>27</b>	117	81
Oil Changed	Client Info		<b>N/A</b>	Not Changd	Not Changd
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
Glycol	WC Method		<b>NEG</b>	NEG	NEG

### WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>51	<b>3</b>	5	4
Chromium	ppm	ASTM D5185(m)	>11	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>31	<b>&lt;1</b>	2	2
Lead	ppm	ASTM D5185(m)	>26	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>26	<b>1</b>	2	2
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	0	<1
Antimony	ppm	ASTM D5185(m)		<b>0</b>	<1	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)	250	<b>10</b>	46	54
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)	100	<b>14</b>	77	86
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	<b>41</b>	185	187
Calcium	ppm	ASTM D5185(m)	3000	<b>2134</b>	2000	2040
Phosphorus	ppm	ASTM D5185(m)	1150	<b>825</b>	1000	971
Zinc	ppm	ASTM D5185(m)	1350	<b>951</b>	1140	1194
Sulfur	ppm	ASTM D5185(m)	4250	<b>2833</b>	3141	3442
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

### CONTAMINANTS

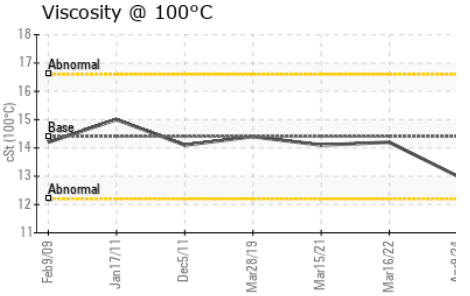
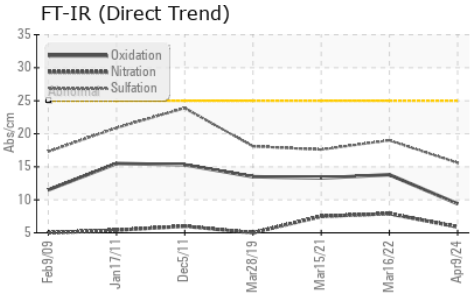
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>22	<b>&lt;1</b>	3	2
Sodium	ppm	ASTM D5185(m)	>158	<b>2</b>	3	3
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	1	<1

### INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>3	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>5.9</b>	7.9	7.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>15.6</b>	19.0	17.6



# OIL ANALYSIS REPORT

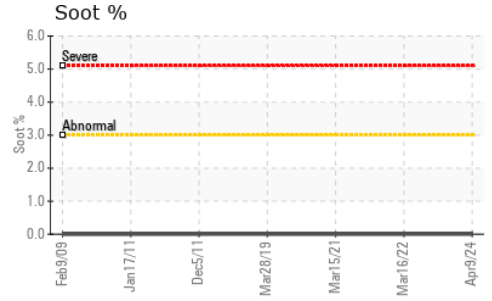
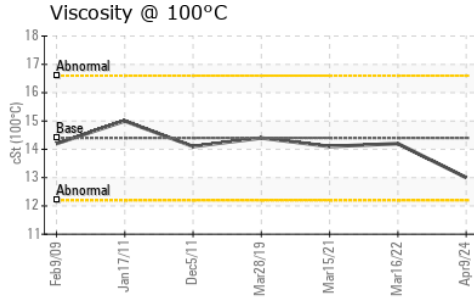
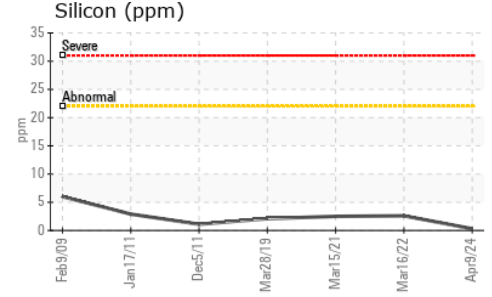
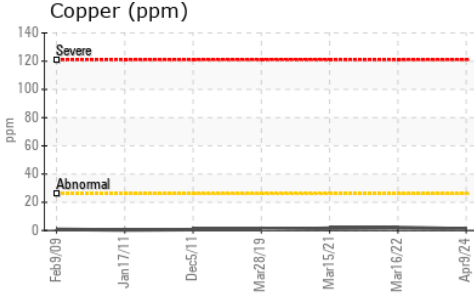
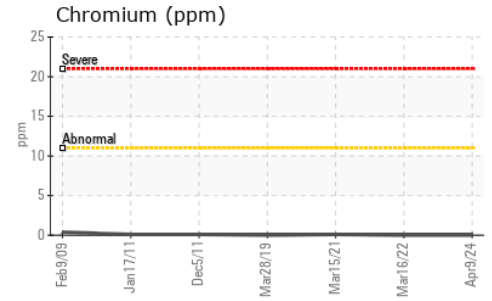
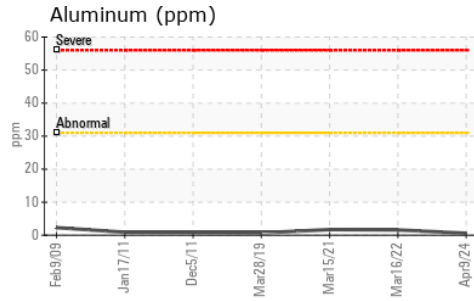
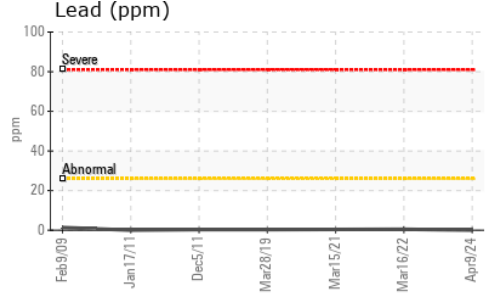
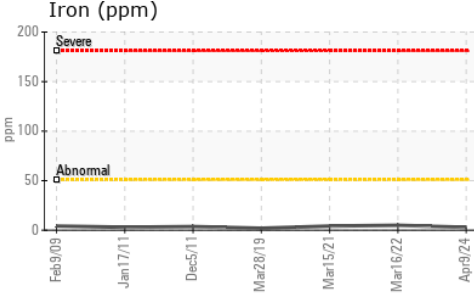


FLUID DEGRADATION	method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	<b>9.4</b>	13.8	13.3

VISUAL	method	limit/base	current	history1	history2	
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 @ 100°C	cSt	ASTM D7279(m)	14.4	<b>13.0</b>	14.2	14.1

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0836762  
**Lab Number** : 02630096  
**Unique Number** : 5763228  
**Test Package** : MOB 1  
**Received** : 19 Apr 2024  
**Tested** : 19 Apr 2024  
**Diagnosed** : 19 Apr 2024 - Wes Davis

**GENCARE SERVICES LTD.**  
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 LONDON, ON  
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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.