



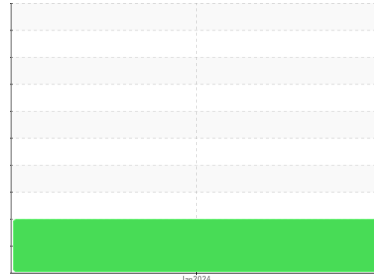
# OIL ANALYSIS REPORT

Sample Rating Trend

ADDITIVES



Machine Id  
**JOHN DEERE 160GLC HOPKINS160G**  
Component  
**Hydraulic System**  
Fluid  
**SAE 10W (--- LTR)**



## DIAGNOSIS

### Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MOB 2 test kits, this testkit includes Particle Count to determine the ISO cleanliness of the fluid.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the component(unconfirmed).

### 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>WC0818953</b>	---	---
Sample Date	Client Info		<b>05 Jan 2024</b>	---	---
Machine Age	hrs	Client Info	<b>7199</b>	---	---
Oil Age	hrs	Client Info	<b>2000</b>	---	---
Oil Changed	Client Info		<b>Not Chngd</b>	---	---
Sample Status			<b>ATTENTION</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.075	<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>32	<b>28</b>	---
Chromium	ppm	ASTM D5185(m)	>9	<b>&lt;1</b>	---
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---
Aluminum	ppm	ASTM D5185(m)	>9	<b>6</b>	---
Lead	ppm	ASTM D5185(m)	>28	<b>&lt;1</b>	---
Copper	ppm	ASTM D5185(m)	>50	<b>6</b>	---
Tin	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	---

## ADDITIVES

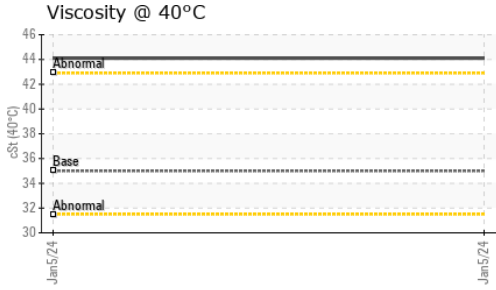
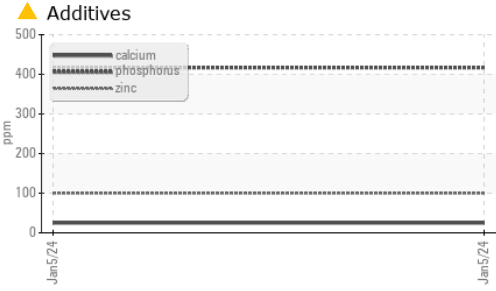
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---
Magnesium	ppm	ASTM D5185(m)		<b>▲ 10</b>	---
Calcium	ppm	ASTM D5185(m)		<b>▲ 25</b>	---
Phosphorus	ppm	ASTM D5185(m)		<b>▲ 417</b>	---
Zinc	ppm	ASTM D5185(m)		<b>▲ 100</b>	---
Sulfur	ppm	ASTM D5185(m)		<b>▲ 858</b>	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>11	<b>3</b>	---
Sodium	ppm	ASTM D5185(m)	>21	<b>1</b>	---
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	---



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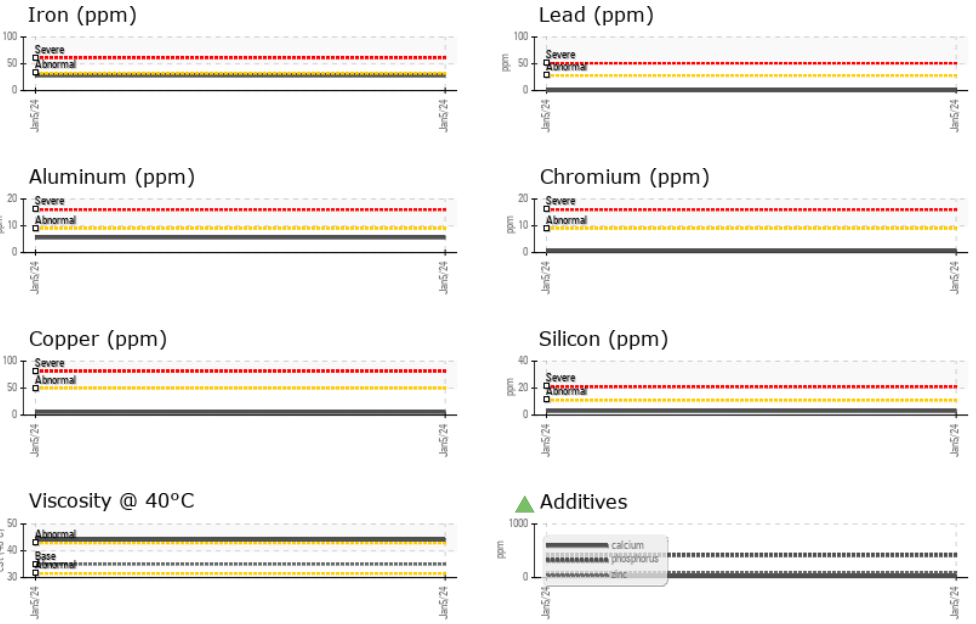
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.075	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	35.0	44.1	---

### SAMPLE IMAGES

	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image
PrtFilter				no image	no image

### GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0818953 **Received** : 10 Jan 2024  
**Lab Number** : 02607855 **Diagnosed** : 12 Jan 2024  
**Unique Number** : 5708941 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: Bottom, BottomAnalysis, FilterPatch )

**JD MOBILE REPAIR SERVICE**  
 183841 GREY ROAD #9  
 HOLSTEIN, ON  
 CA N0G 2A0  
 Contact: John Dowling  
 dozerdoctor@hotmail.com  
 T: (519)604-8247  
 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.