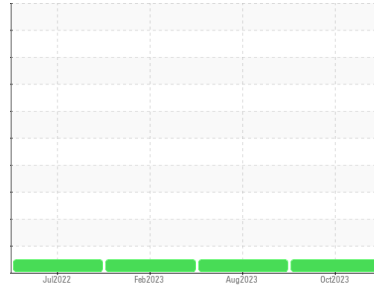


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**


Area  
**[W46973]**  
 Machine Id  
**HITACHI 135LC-6 HCMDAT60H00200526**  
 Component  
**Right Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (--- 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	history1	history2
Sample Number	Client Info			<b>JR0179385</b>	JR0180148	JR0160369
Sample Date	Client Info			<b>11 Oct 2023</b>	29 Aug 2023	07 Feb 2023
Machine Age	hrs	Client Info		<b>1983</b>	1916	1446
Oil Age	hrs	Client Info		<b>0</b>	1916	1446
Oil Changed	Client Info			<b>Changed</b>	Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

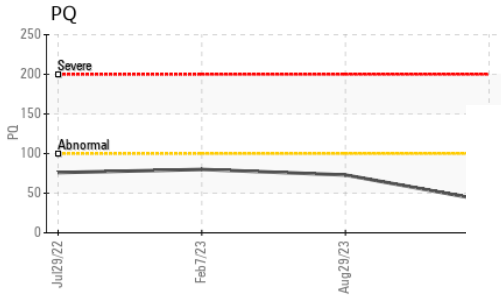
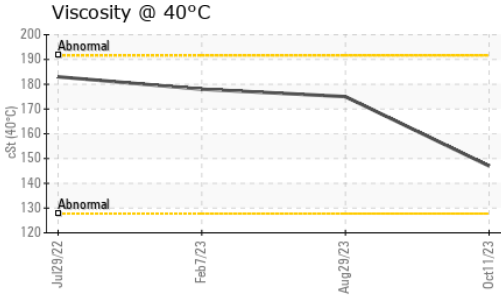
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		<b>40</b>	73	80
Iron	ppm	ASTM D5185m	>500	<b>40</b>	96	109
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	3	4
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	2	<1
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>50	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>12</b>	62	65
Barium	ppm	ASTM D5185m		<b>2</b>	0	4
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	3	3
Magnesium	ppm	ASTM D5185m		<b>3</b>	2	1
Calcium	ppm	ASTM D5185m		<b>20</b>	50	24
Phosphorus	ppm	ASTM D5185m		<b>335</b>	560	582
Zinc	ppm	ASTM D5185m		<b>9</b>	55	53
Sulfur	ppm	ASTM D5185m		<b>17191</b>	18171	17821

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>7</b>	25	27
Sodium	ppm	ASTM D5185m		<b>0</b>	<1	1
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	6	5

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG

# OIL ANALYSIS REPORT



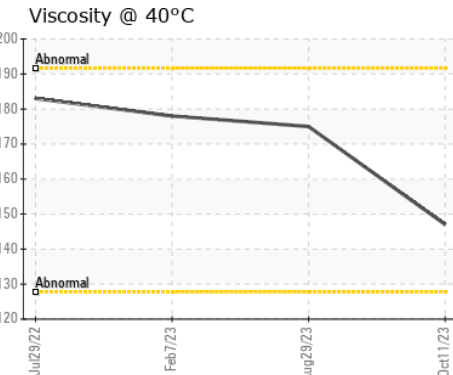
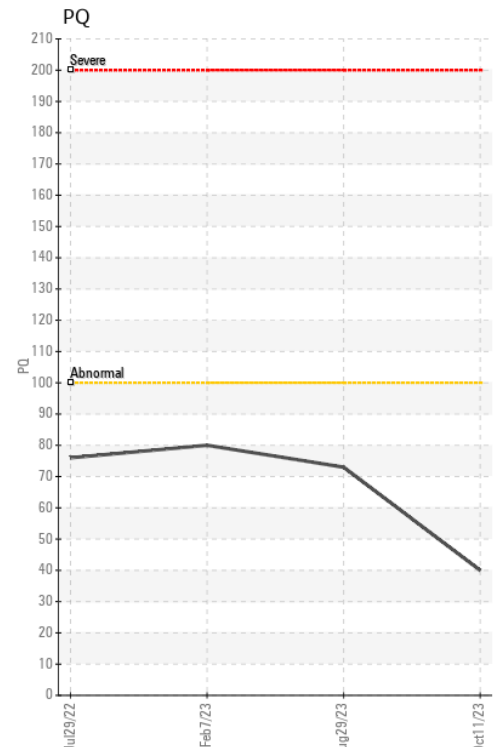
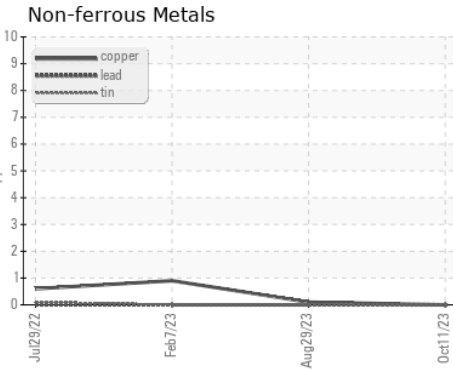
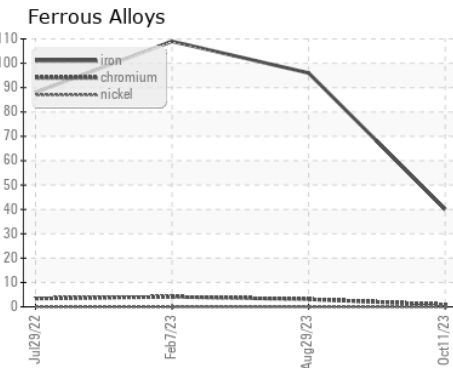
### FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>147</b>	175	178

### SAMPLE IMAGES

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

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0179385      **Received** : 18 Oct 2023  
**Lab Number** : 05982562      **Diagnosed** : 19 Oct 2023  
**Unique Number** : 10699857      **Diagnostician** : Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

Certificate L2367  
 To discuss this sample report, contact Customer Service at 1-800-237-1369.  
 \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.  
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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