



WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**HAMM H12iP H2352105**

Component  
**Rear Axle**

Fluid  
**{not provided} (--- GAL)**

### RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### WEAR

Bearing and/or bushing wear is indicated.

### CONTAMINATION

There is no indication of any contamination in the oil.

### FLUID CONDITION

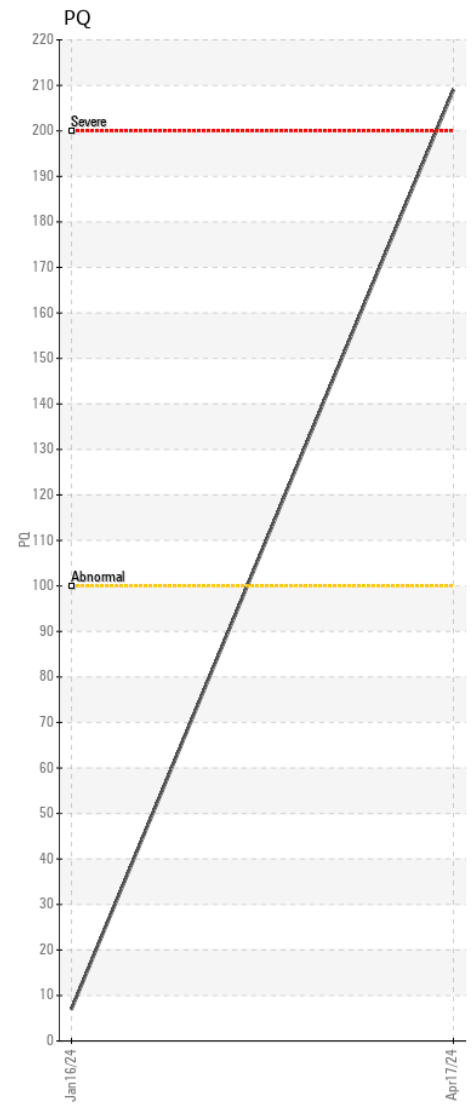
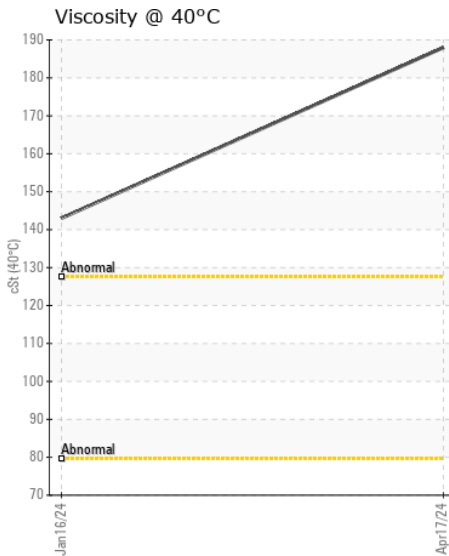
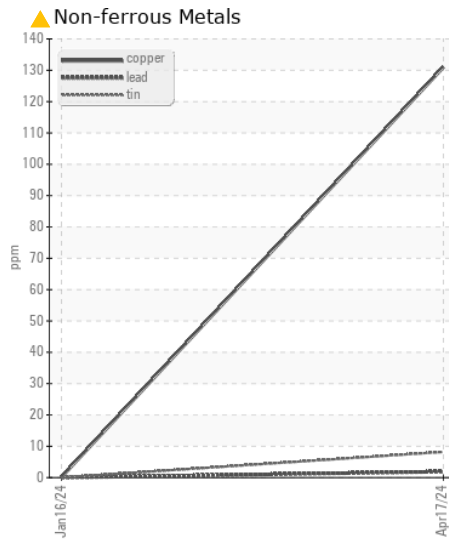
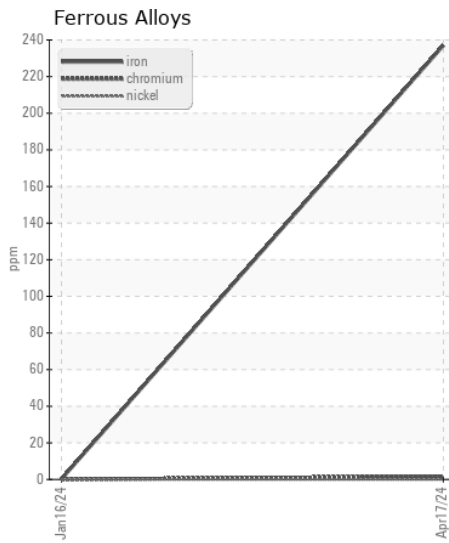
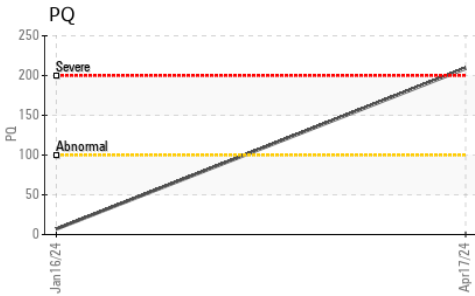
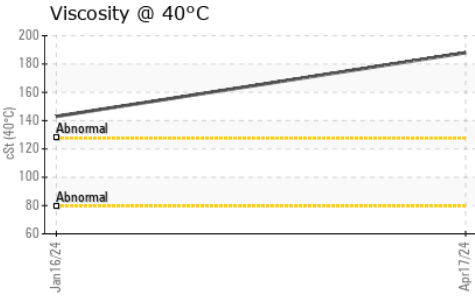
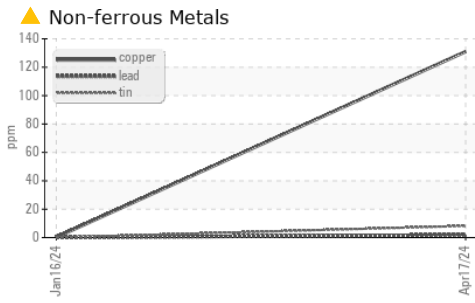
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0209098</b>	JR0197673	---
Sample Date		Client Info		<b>17 Apr 2024</b>	16 Jan 2024	---
Machine Age	hrs	Client Info		<b>1986</b>	1518	---
Oil Age	hrs	Client Info		<b>1986</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Not Changd	---
Filter Changed		Client Info		<b>None</b>	Not Changd	---
Sample Status				<b>ABNORMAL</b>	NORMAL	---

PQ		ASTM D8184		<b>209</b>	7	---
Iron	ppm	ASTM D5185m	>500	<b>237</b>	<1	---
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	0	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	0	---
Lead	ppm	ASTM D5185m	>25	<b>2</b>	0	---
Copper	ppm	ASTM D5185m	>50	<b>▲ 131</b>	<1	---
Tin	ppm	ASTM D5185m	>10	<b>▲ 8</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

Silicon	ppm	ASTM D5185m	>75	<b>25</b>	1	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---

Sodium	ppm	ASTM D5185m		<b>10</b>	<1	---
Boron	ppm	ASTM D5185m		<b>2</b>	0	---
Barium	ppm	ASTM D5185m		<b>2</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>7</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>0</b>	1	---
Calcium	ppm	ASTM D5185m		<b>23</b>	69	---
Phosphorus	ppm	ASTM D5185m		<b>2082</b>	314	---
Zinc	ppm	ASTM D5185m		<b>96</b>	11	---
Sulfur	ppm	ASTM D5185m		<b>31780</b>	18188	---
Visc @ 40°C	cSt	ASTM D445		<b>188</b>	143	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0209098  
**Lab Number** : 06154766  
**Unique Number** : 10990189  
**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 19 Apr 2024  
**Tested** : 22 Apr 2024  
**Diagnosed** : 23 Apr 2024 - Sean Felton

**CARLTON'S BACKHOE**  
 9550 STATESVILLE ROAD  
 CHARLOTTE, NC  
 US 28269  
 Contact: LEO

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)

T: (704)547-0211  
 F: