



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

Area  
**[W66979]**  
 Machine Id  
**HAMM HC 120iP WGH0H252PHAA00578**  
 Component  
**Center Hydraulic System**  
 Fluid  
**ISO 46 (15 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: W66979 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0215682</b>	JR0206572	---
Sample Date		Client Info		<b>16 May 2024</b>	12 Mar 2024	---
Machine Age	hrs	Client Info		<b>290</b>	144	---
Oil Age	hrs	Client Info		<b>290</b>	144	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Chngd</b>	Not Chngd	---
Filter Changed		Client Info		<b>Not Chngd</b>	Changed	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Lead	ppm	ASTM D5185m	>10	<b>0</b>	1	---
Copper	ppm	ASTM D5185m	>75	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

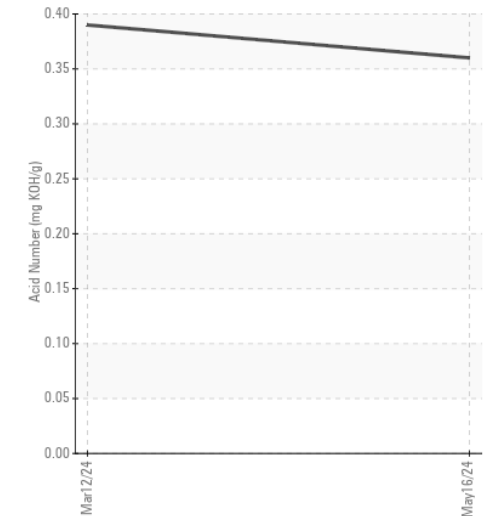
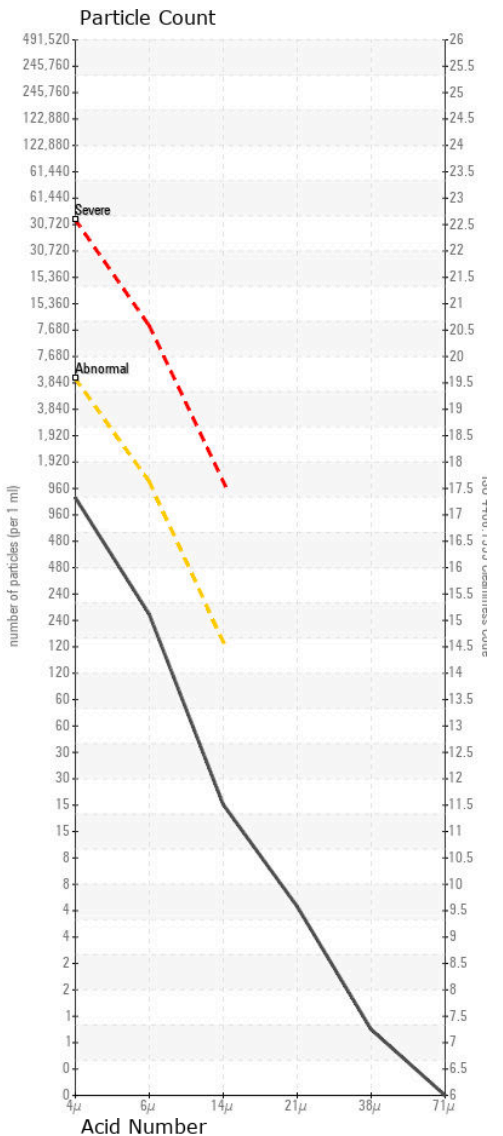
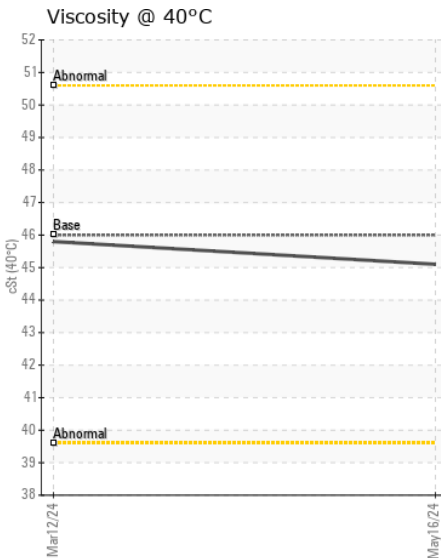
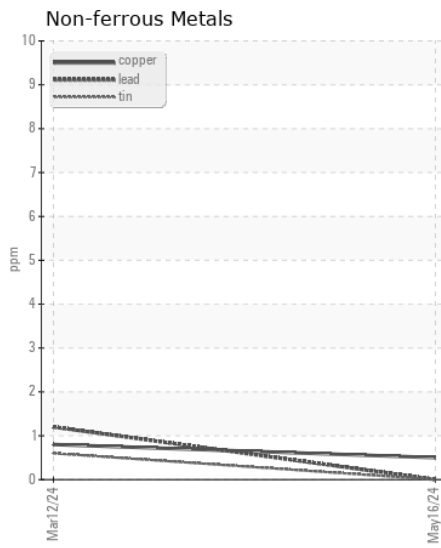
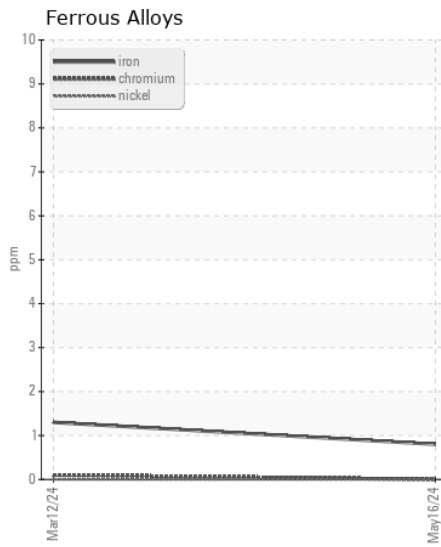
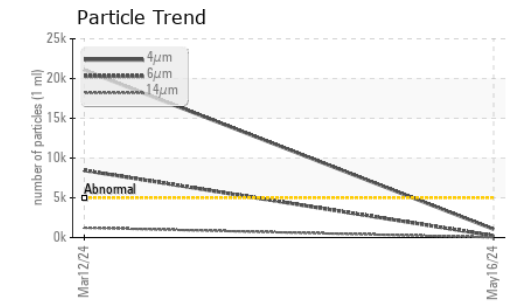
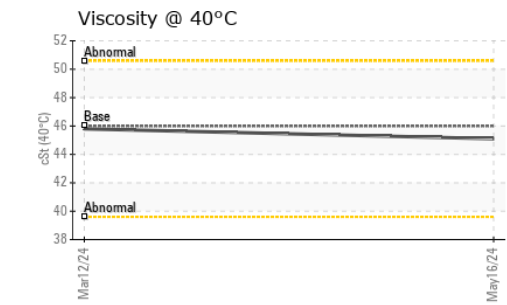
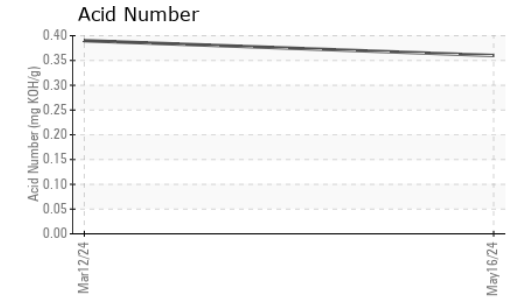
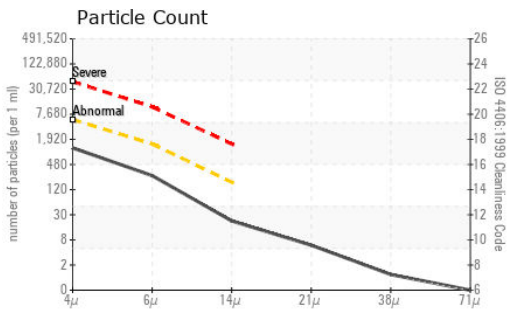
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>2</b>	2	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>5000	<b>1053</b>	▲ 21053	---
Particles >6µm		ASTM D7647	>1300	<b>229</b>	▲ 8451	---
Particles >14µm		ASTM D7647	>160	<b>19</b>	▲ 1235	---
Particles >21µm		ASTM D7647	>40	<b>5</b>	▲ 366	---
Particles >38µm		ASTM D7647	>10	<b>1</b>	▲ 25	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	3	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>17/15/11</b>	▲ 22/20/17	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	▲ MODER	---
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	>0.1	<b>NEG</b>	NEG	---

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	2	---
Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>63</b>	50	---
Calcium	ppm	ASTM D5185m		<b>10</b>	12	---
Phosphorus	ppm	ASTM D5185m		<b>291</b>	265	---
Zinc	ppm	ASTM D5185m		<b>348</b>	300	---
Sulfur	ppm	ASTM D5185m		<b>900</b>	827	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.36</b>	0.39	---
Visc @ 40°C	cSt	ASTM D445	46.0	<b>45.1</b>	45.8	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0215682 **Received** : 24 May 2024  
**Lab Number** : 06190964 **Tested** : 30 May 2024  
**Unique Number** : 11047716 **Diagnosed** : 30 May 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

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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