



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**1CHAMBER C586 HSP5 CHAMBER 1**  
 Component  
**Hydraulic System**  
 Fluid  
**AW HYDRAULIC OIL ISO 68 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

## WEAR

All component wear rates are normal.

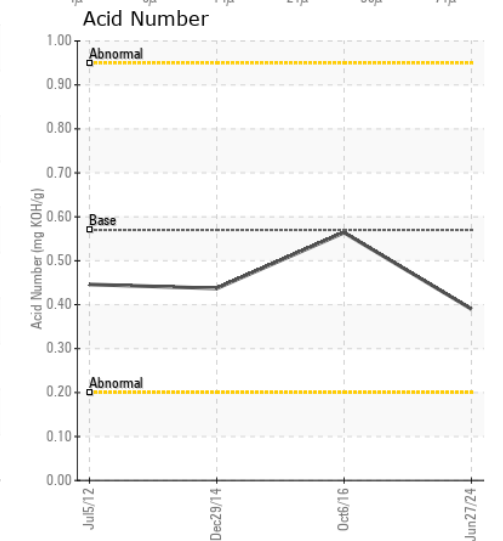
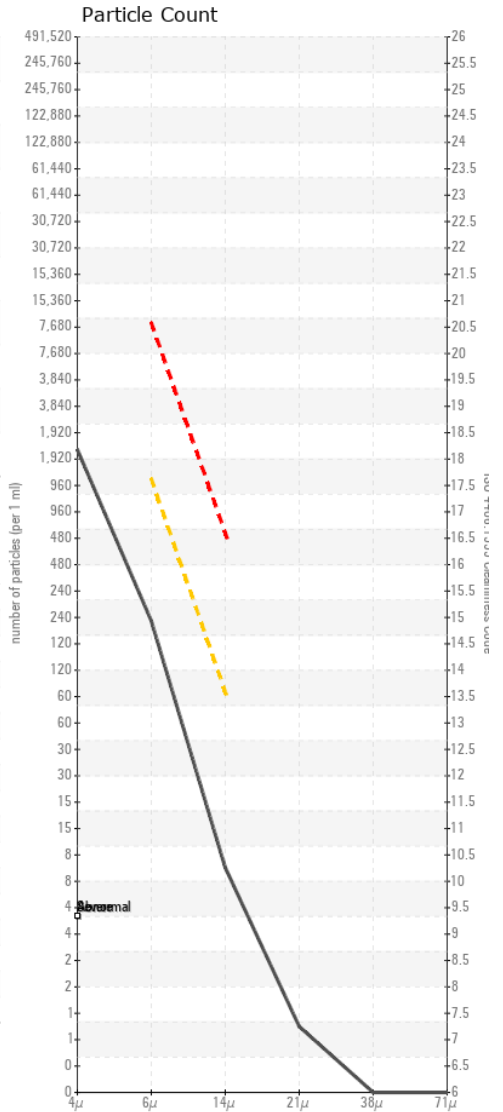
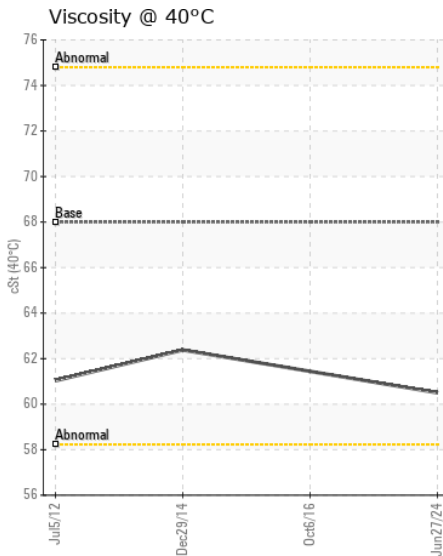
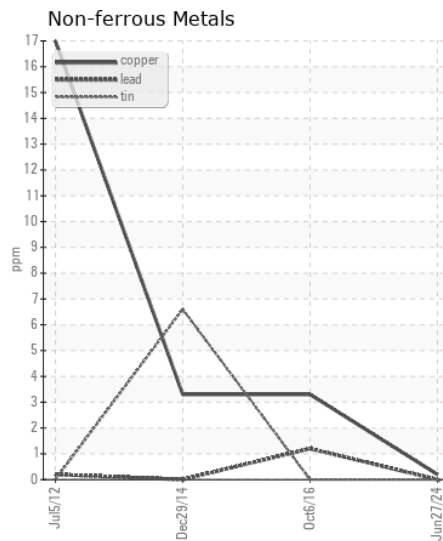
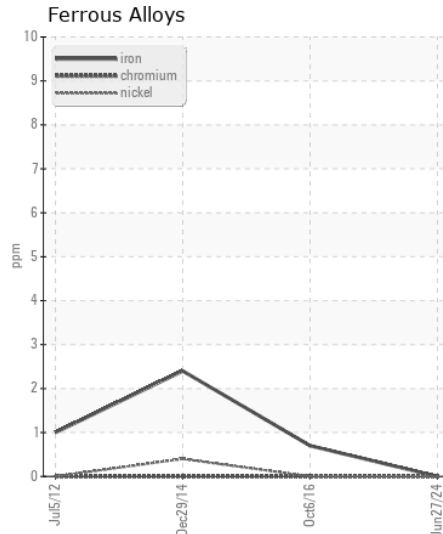
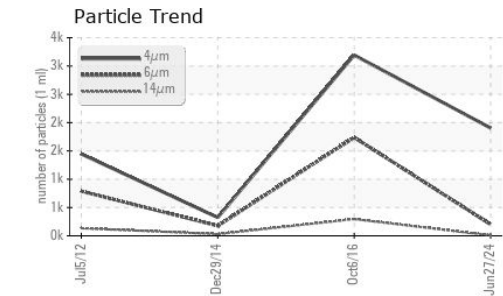
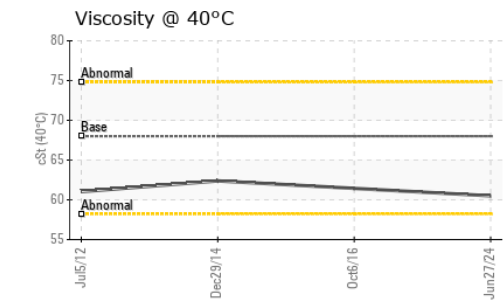
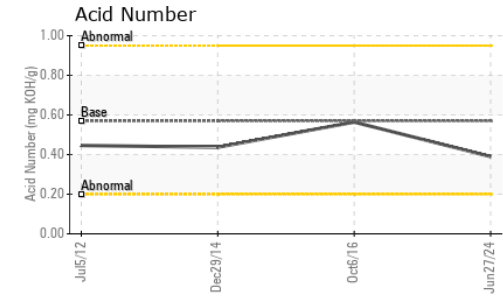
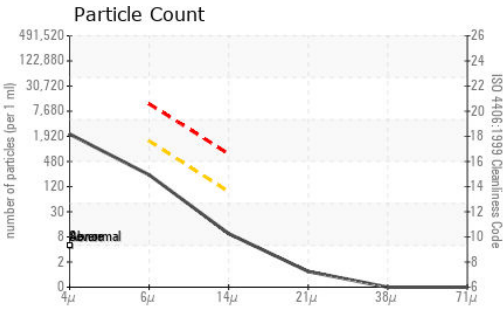
## CONTAMINATION

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

## FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>FC006225</b>	FC005091	FC007574
Sample Date		Client Info		<b>27 Jun 2024</b>	06 Oct 2016	29 Dec 2014
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185m	>20	<b>0</b>	<1	2
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>20	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>20	<b>0</b>	0	<1
Lead	ppm	ASTM D5185m	>20	<b>0</b>	1	0
Copper	ppm	ASTM D5185m	>20	<b>&lt;1</b>	3	3
Tin	ppm	ASTM D5185m	>20	<b>0</b>	0	7
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>15	<b>&lt;1</b>	1	4
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	10
Water		WC Method	>0.05	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647		<b>1904</b>	3193	324
Particles >6µm		ASTM D7647	>1300	<b>202</b>	▲ 1739	176
Particles >14µm		ASTM D7647	>80	<b>8</b>	▲ 296	30
Particles >21µm		ASTM D7647	>20	<b>1</b>	▲ 100	10
Particles >38µm		ASTM D7647	>4	<b>0</b>	▲ 15	1
Particles >71µm		ASTM D7647	>3	<b>0</b>	1	0
Oil Cleanliness		ISO 4406 (c)	>-/17/13	<b>18/15/10</b>	▲ 19/18/15	16/15/12
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	VLITE	LIGHT
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	>0.05	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185m		<b>1</b>	1	<1
Boron	ppm	ASTM D5185m	5	<b>0</b>	<1	0
Barium	ppm	ASTM D5185m	5	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	5	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m	25	<b>&lt;1</b>	0	0
Calcium	ppm	ASTM D5185m	200	<b>42</b>	39	21
Phosphorus	ppm	ASTM D5185m	300	<b>334</b>	370	300
Zinc	ppm	ASTM D5185m	370	<b>414</b>	440	399
Sulfur	ppm	ASTM D5185m	2500	<b>897</b>	1705	2278
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	<b>0.39</b>	0.564	0.437
Visc @ 40°C	cSt	ASTM D445	68	<b>60.5</b>	61.44	62.38



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : FC006225  
**Lab Number** : 06226178  
**Unique Number** : 11109671  
**Test Package** : IND 2

**Received** : 02 Jul 2024  
**Tested** : 03 Jul 2024  
**Diagnosed** : 03 Jul 2024 - Wes Davis

**FLUID CONTROL SERVICES, INC.**  
 1155 ALLGOOD ROAD, SUITE 15  
 MARIETTA, GA  
 US 30062

Contact: Duane Smith  
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 F: (770)509-5832

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)