



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	ATTENTION

Machine Id
2 CHAMBER C586 HSP5 CHAMBER 2
 Component
Hydraulic System
 Fluid
AW HYDRAULIC OIL ISO 68 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

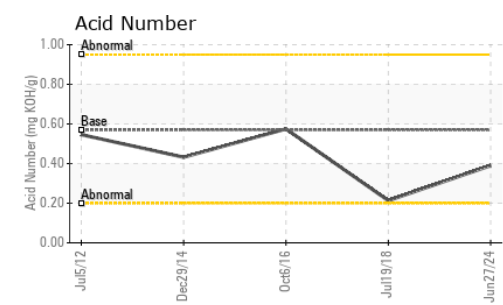
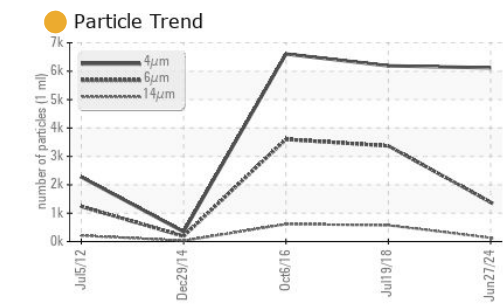
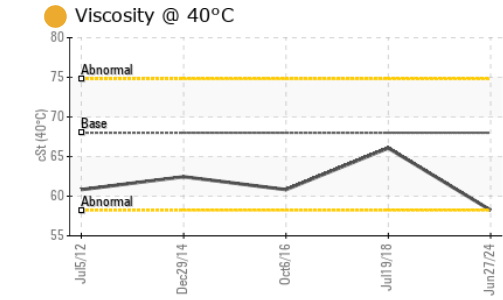
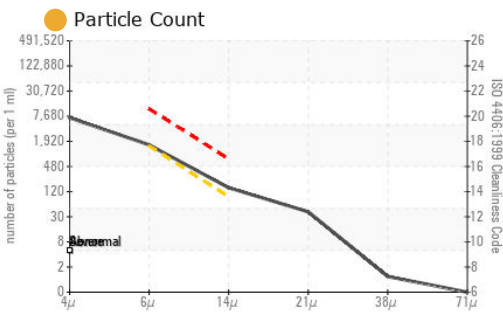
CONTAMINATION

There is a moderate amount of particulates present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code.

FLUID CONDITION

The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		FC006226	FC009634	FC005094
Sample Date		Client Info		27 Jun 2024	19 Jul 2018	06 Oct 2016
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>20	0	<1	▲ 43
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	<1	0
Lead	ppm	ASTM D5185m	>20	0	<1	<1
Copper	ppm	ASTM D5185m	>20	2	2	3
Tin	ppm	ASTM D5185m	>20	0	<1	2
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>15	<1	<1	1
Potassium	ppm	ASTM D5185m	>20	0	<1	3
Water		WC Method	>0.05	NEG	NEG	NEG
Particles >4µm		ASTM D7647		6119	6189	6607
Particles >6µm		ASTM D7647	>1300	● 1384	▲ 3371	▲ 3599
Particles >14µm		ASTM D7647	>80	● 131	▲ 574	▲ 613
Particles >21µm		ASTM D7647	>20	● 35	▲ 193	▲ 206
Particles >38µm		ASTM D7647	>4	● 1	▲ 29	▲ 31
Particles >71µm		ASTM D7647	>3	0	3	▲ 3
Oil Cleanliness		ISO 4406 (c)	>-/17/13	● 20/18/14	▲ 20/19/16	▲ 20/19/16
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	VLITE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	● HAZY	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	0.1%	NEG
Sodium	ppm	ASTM D5185m		2	1	<1
Boron	ppm	ASTM D5185m	5	0	<1	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	0	0	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	25	1	2	<1
Calcium	ppm	ASTM D5185m	200	41	44	48
Phosphorus	ppm	ASTM D5185m	300	337	319	372
Zinc	ppm	ASTM D5185m	370	405	396	436
Sulfur	ppm	ASTM D5185m	2500	904	1219	1292
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.39	0.213	0.575
Visc @ 40°C	cSt	ASTM D445	68	● 58.23	66.07	60.83



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : FC006226
Lab Number : 06226170
Unique Number : 11109663
Test Package : IND 2
Received : 02 Jul 2024
Tested : 08 Jul 2024
Diagnosed : 09 Jul 2024 - Jonathan Hester

FLUID CONTROL SERVICES, INC.
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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)