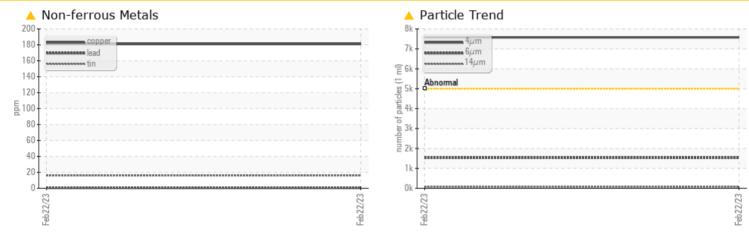




FRS AFFAIRS

Hydraulic System Fluid NAPA AW-46 (70 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor. Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	
Copper	ppm	ASTM D5185m	>20	<u> </u>	
Particles >4µm		ASTM D7647	>5000	A 7574	
Particles >6µm		ASTM D7647	>1300	<u> </u>	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>	

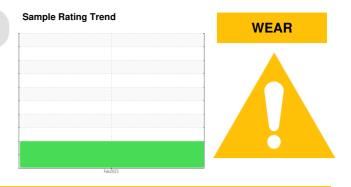
Customer Id: STAUFFUS Sample No.: ST44393 Lab Number: 05810962 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 don.b505@comcast.net

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>



RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Contact Required			?	Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue.		

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id FRS AFFAIRS Component Hydraulic System Fluid NAPA AW-46 (70 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue.

🔺 Wear

The copper level is abnormal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		ST44393		
Sample Date		Client Info		22 Feb 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	11		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>20	3		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	<1		
Lead	ppm	ASTM D5185m	>20	<1		
Copper	ppm	ASTM D5185m	>20	<u> </u>		
Tin	ppm	ASTM D5185m	>20	16		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		5		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		1		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m		22		
Calcium	ppm	ASTM D5185m		113		
Phosphorus	ppm	ASTM D5185m		369		
Zinc	ppm	ASTM D5185m		510		
Sulfur	ppm	ASTM D5185m		1836		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.05	0.014		
ppm Water	ppm	ASTM D6304	>500	143.8		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ACTM D7647	>5000	<u> </u>		
Particles >6µm		ASTM D7647	>5000			
Farticles >0µm		ASTM D7647 ASTM D7647		▲ 1524		
Particles >14µm		ASTM D7647 ASTM D7647	>1300 >160			
Particles >0µm Particles >14µm Particles >21µm		ASTM D7647	>1300 >160	A 1524		
Particles >14µm		ASTM D7647 ASTM D7647	>1300 >160	▲ 1524 76		
Particles >14μm Particles >21μm		ASTM D7647 ASTM D7647 ASTM D7647	>1300 >160 >40 >10	▲ 1524 76 13		
Particles >14μm Particles >21μm Particles >38μm		ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>1300 >160 >40 >10	▲ 1524 76 13 1	 	
Particles >14μm Particles >21μm Particles >38μm Particles >71μm	TION	ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>1300 >160 >40 >10 >3	1524 76 13 1 0		



OIL ANALYSIS REPORT

scalar

scalar

method

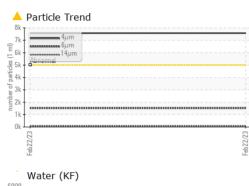
*Visual

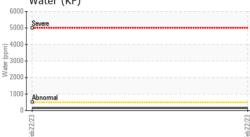
*Visual

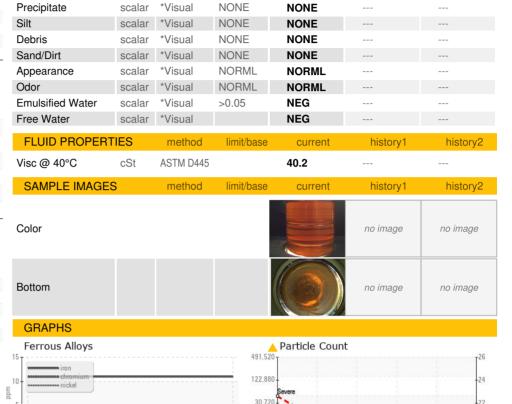
VISUAL

White Metal

Yellow Metal







limit/base

NONE

NONE

current

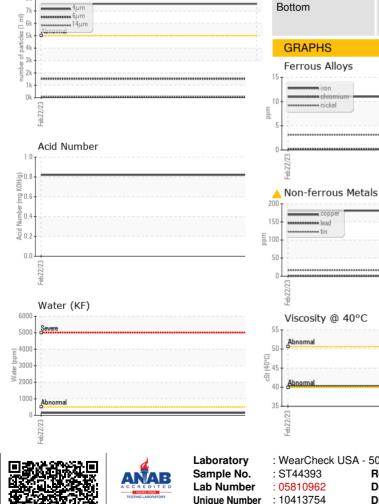
NONE

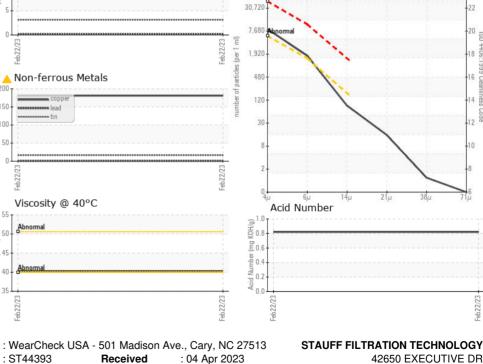
NONE

history1

history2

Particle Trend 8





: 07 Apr 2023

Diagnostician : Don Baldridge

Diagnosed

42650 EXECUTIVE DR CANTON, MI US 48188 Contact: CAMERON MACNEIL cmacneil@stauffusa.com T: (734)747-7300 F: (734)747-7342



Test Package : IND 2 (Additional Tests: KF)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Certificate L2367

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