

# **PROBLEM SUMMARY**

# CFS BRANDS

Component Hydraulic System Fluid AW HYDRAULIC OIL ISO 46 (--- GAL)

## COMPONENT CONDITION SUMMARY



### RECOMMENDATION

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	 
Lead	ppm	ASTM D5185m	>20	<u> </u>	 
Particles >4µm		ASTM D7647	>640	🔺 2169	 
Particles >6µm		ASTM D7647	>160	🔺 547	 
Particles >14µm		ASTM D7647	>40	<b>4</b> 9	 
Particles >21µm		ASTM D7647	>10	<u> </u>	 
Oil Cleanliness		ISO 4406 (c)	>16/14/12	<b>A</b> 18/16/13	 

Customer Id: UCTULVAN Sample No.: TO40000146 Lab Number: 05928784 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

*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		
Change Filter			?	We recommend you service the filters on this component.		
Resample			?	We recommend an early resample to monitor this condition.		

HISTORICAL DIAGNOSIS



# **OIL ANALYSIS REPORT**

WEAR

# CFS BRANDS

#### Component Hydraulic System Fluid AW HYDRAULIC OIL ISO 46 (--- GAL)

### DIAGNOSIS

#### Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

## 🔺 Wear

The lead level is abnormal. All other component wear rates are normal.

#### Contamination

There is a high amount of particulates 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 INFORM	<b>/IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		TO40000146		
Sample Date		Client Info		08 Aug 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	<1		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	maa	ASTM D5185m	>20	<b>120</b>		
Copper	mag	ASTM D5185m	>20	3		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
	le le	mothod	limit/bass	ourropt	historyd	history?
ADDITIVES			-	current	nistory i	TIIStOLY2
Boron	ppm	ASTM D5185m	5	0		
Barium	ppm	ASTM D5185m	5	0		
Molybdenum	ppm	ASTM D5185m	5	0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	25	76		
Calcium	ppm	ASTM D5185m	200	59		
Phosphorus	ppm	ASTM D5185m	300	330		
Zinc	ppm	ASTM D5185m	370	395		
Sulfur	ppm	ASTM D5185m	2500	1926		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.05	0.013		
ppm Water	ppm	ASTM D6304	>500	138.8		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>640	<b>A</b> 2169		
Particles >6µm		ASTM D7647	>160	<u> </u>		
Particles >14µm		ASTM D7647	>40	<b>4</b> 9		
Particles >21µm		ASTM D7647	>10	<u> </u>		
Particles >38µm		ASTM D7647	>3	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>16/14/12	<b>18/16/13</b>		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.40		



# **OIL ANALYSIS REPORT**





\* - 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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