

PROBLEM SUMMARY

Sample Rating Trend

DIRT

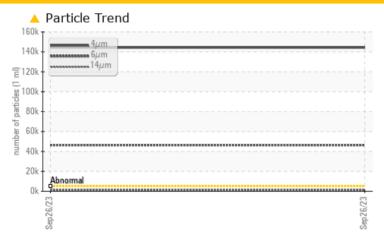
288-338/NS-LO-3014-7T-2 - MCELROY

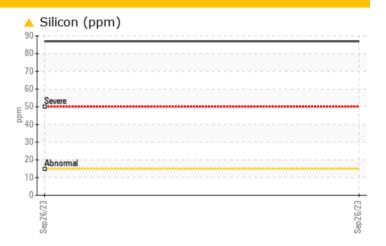
Component

Hydraulic System

AW HYDRAULIC OIL ISO 46 (--- GAL)

COMPONENT CONDITION SUMMARY





RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL				
Silicon	ppm	ASTM D5185m	>15	<u>^</u> 87				
Particles >4µm		ASTM D7647	>5000	144269				
Particles >6µm		ASTM D7647	>1300	46367				
Particles >14μm		ASTM D7647	>160	<u> </u>				
Particles >21µm		ASTM D7647	>40	224				
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>				

Customer Id: UCTULTUL Sample No.: TO10002527 Lab Number: 05962883 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 customerservice@wearcheck.com

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Change Filter			?	We recommend you service the filters on this component.			

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

288-338/NS-LO-3014-7T-2 - MCELROY

Componen

Hydraulic System

AW HYDRAULIC OIL ISO 46 (--- GAL)

Fluid

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material.

Fluid Condition

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

				Sep2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO10002527		
Sample Date		Client Info		26 Sep 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	12		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	2		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0		
Barium	ppm	ASTM D5185m	5	30		
Molybdenum	ppm	ASTM D5185m	5	0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	25	0		
Calcium	ppm	ASTM D5185m	200	8		
Phosphorus	ppm	ASTM D5185m	300	178		
Zinc	ppm	ASTM D5185m	370	183		
Sulfur	ppm	ASTM D5185m	2500	1198		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<u> </u>		
Sodium	ppm	ASTM D5185m		52		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304	>0.05	0.005		
ppm Water	ppm	ASTM D6304	>500	57.9		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	144269		
Particles >6µm		ASTM D7647	>1300	46367		
Particles >14µm		ASTM D7647	>160	<u> </u>		
Particles >21µm		ASTM D7647	>40	<u>^</u> 224		
Particles >38µm		ASTM D7647	>10	7		
Particles >71µm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>4</u> 24/23/17		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	та КОЦ/а	VCTM DOUVE	0.57	0.22		

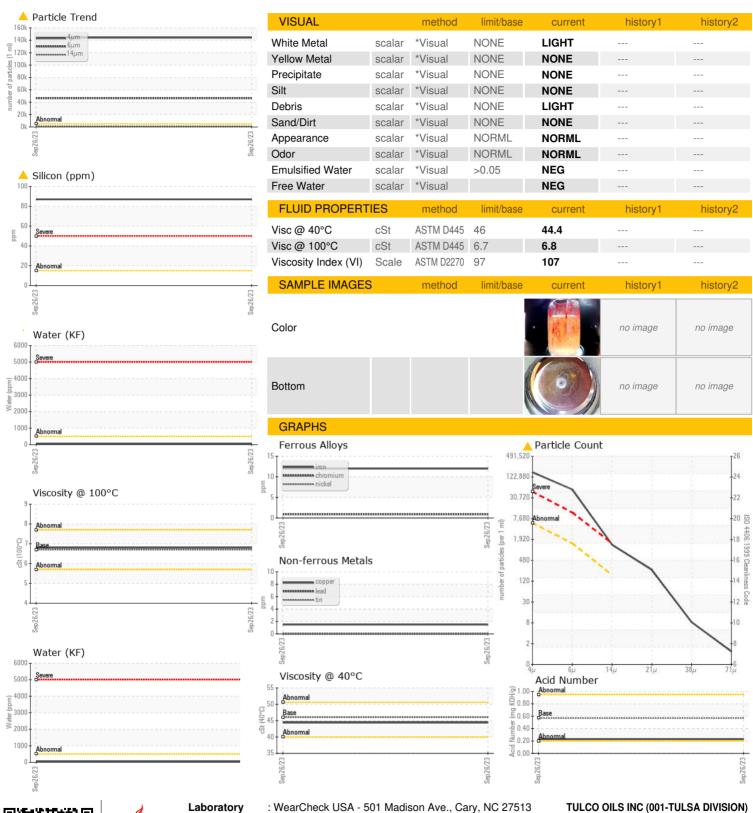
Acid Number (AN)

0.23

mg KOH/g ASTM D8045 0.57



OIL ANALYSIS REPORT





Laboratory Sample No. Lab Number **Unique Number**

: TO10002527 : 05962883 : 10669434

Received : 27 Sep 2023 Diagnosed

: 28 Sep 2023 Diagnostician : Doug Bogart

Test Package : IND 2 (Additional Tests: KF, KV100, VI) Certificate L2367 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)

5240 EAST PINE TULSA, OK US 74115

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F: x: