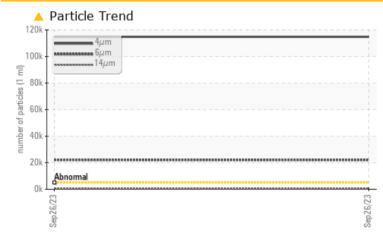


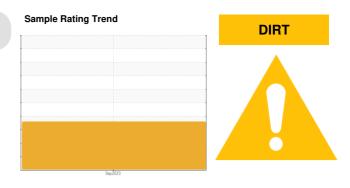
PROBLEM SUMMARY

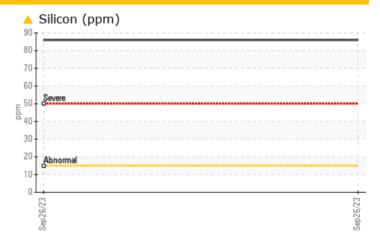
288-338/NS-LO-3014-WT-1 - MCELROY

Hydraulic System Fluid 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>	
Particles >4µm		ASTM D7647	>5000	<u> </u>	
Particles >6µm		ASTM D7647	>1300	<u> </u>	
Particles >14µm		ASTM D7647	>160	<u> </u>	
Particles >21µm		ASTM D7647	>40	<u> </u>	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 24/22/16	

Customer Id: UCTULTUL Sample No.: TO10002526 Lab Number: 05962884 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

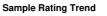
To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

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

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT



DIRT

288-338/NS-LO-3014-WT-1 - MCELROY

Hydraulic System

DIAGNOSIS

A 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

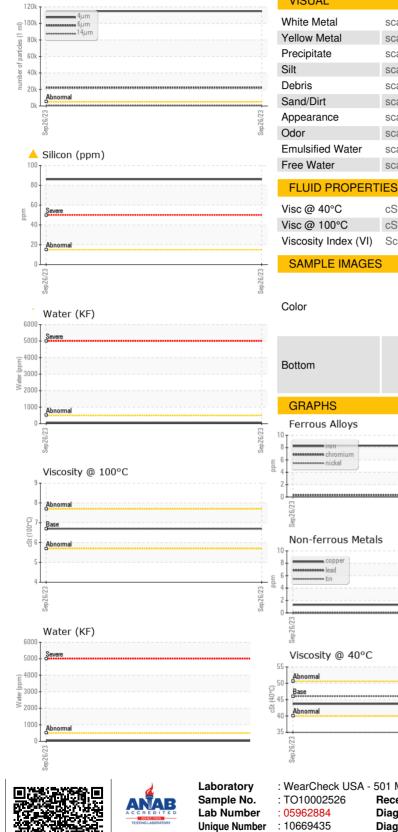
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

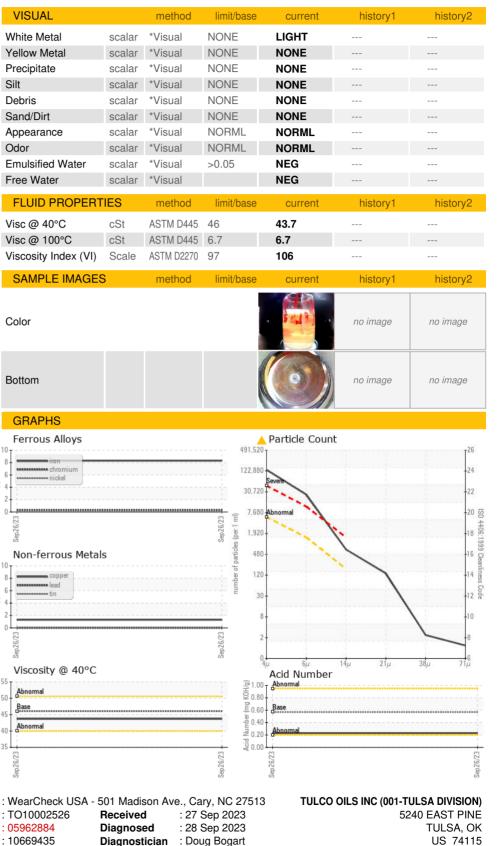
		-		Sep2023		
SAMPLE INFORM	/ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO10002526		
Sample Date		Client Info		26 Sep 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	8		
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		1		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium		ASTM D5185m	200	0		
Cadmium	ppm ppm	ASTM D5185m		0		
ADDITIVES	I- I-	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0		
Barium	ppm	ASTM D5185m	5	41		
Molybdenum	ppm	ASTM D5185m	5	0		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	25	0		
Calcium	ppm	ASTM D5185m	200	7		
			300	-		
Phosphorus	ppm	ASTM D5185m		174		
Zinc	ppm	ASTM D5185m	370	181		
Sulfur	ppm	ASTM D5185m	2500	1185		
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<mark>/</mark> 86		
Sodium	ppm	ASTM D5185m		51		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304	>0.05	0.006		
ppm Water	ppm	ASTM D6304	>500	66.4		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	A 114832		
Particles >6µm		ASTM D7647	>1300	<u> </u>		
Particles >14µm		ASTM D7647	>160	<u> </u>		
Particles >21µm		ASTM D7647	>40	<u> </u>		
Particles >38µm		ASTM D7647	>10	2		
Particles >71µm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	4/22/16		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.23		
	ing itony	. 10 1 11 000 10	5.07	0.20		



🔺 Particle Trend

OIL ANALYSIS REPORT





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)

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

Certificate L2367

Contact/Location: DYLAN COPE - UCTULTUL

F: x:

Contact: DYLAN COPE

dylancope@tulco.com

T: (800)375-2347