

# **PROBLEM SUMMARY**

Sample Rating Trend

ISO



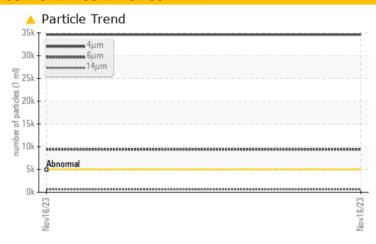
# MCELROY 00116 - ROTARY UNION P1I4 - ISO 46

Component

New (Unused) Oil

{not provided} (--- QTS)

## **COMPONENT CONDITION SUMMARY**



## RECOMMENDATION

This is a baseline read-out on the submitted sample.

PROBLEMATIC TEST RESULTS										
Sample Status			ABNORMAL							
Particles >4µm	ASTM D7647	>5000	<b>4</b> 34629							
Particles >6µm	ASTM D7647	>1300	<b>4</b> 9419							
Particles >14μm	ASTM D7647	>160	<b>^</b> 609							
Particles >21μm	ASTM D7647	>40	<b>135</b>							
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<u>^ 22/20/16</u>							

Customer Id: UCTULTUL Sample No.: TO10002644 Lab Number: 06012888 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

There are no recommended actions for this sample.

## HISTORICAL DIAGNOSIS



# **OIL ANALYSIS REPORT**

# Sample Rating Trend

ISO

# MCELROY 00116 - ROTARY UNION P114 - ISO 46

New (Unused) Oil

{not provided} (--- QTS)

## DIAGNOSIS

### Recommendation

This is a baseline read-out on the submitted sample.

## Contamination

There is a high amount of particulates present in the oil.

				Nov2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO10002644		
Sample Date		Client Info		16 Nov 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	>5	0		
Chromium	ppm	ASTM D5185m	>5	<1		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>5	0		
Aluminum	ppm	ASTM D5185m	>5	2		
Lead	ppm	ASTM D5185m	>5	<1		
Copper	ppm	ASTM D5185m	>5	<1		
Tin	ppm	ASTM D5185m	>5	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		9		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		80		
Calcium	ppm	ASTM D5185m		64		
Phosphorus	ppm	ASTM D5185m		324		
Zinc	ppm	ASTM D5185m		379		
Sulfur	ppm	ASTM D5185m		670		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	13		
Water	%	ASTM D6304		0.004		
ppm Water	ppm	ASTM D6304		44.6		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	<b>▲</b> 34629		
Particles >6µm		ASTM D7647	>1300	<u>4</u> 9419		
Particles >14μm		ASTM D7647	>160	<b>609</b>		
Particles >21µm		ASTM D7647	>40	<u> </u>		
Particles >38μm		ASTM D7647	>10	7		
Particles >71μm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>22/20/16</b>		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A : 1 A 1 (A A 1)		ACTM DODAE		0.25		

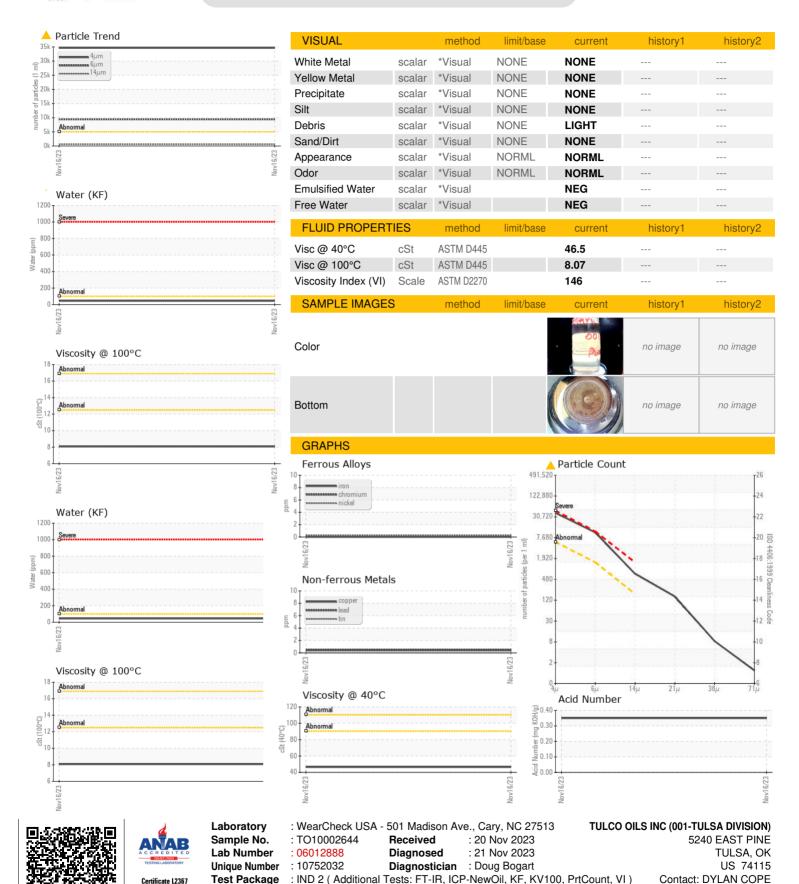
Acid Number (AN)

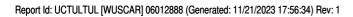
mg KOH/g ASTM D8045

0.35



# 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)

Certificate L2367

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