

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

### Machine Id MCL 5 METERING UNIT

Component Hydraulic System Fluid SHELL TELLUS 46 (--- GAL)

#### 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.

#### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

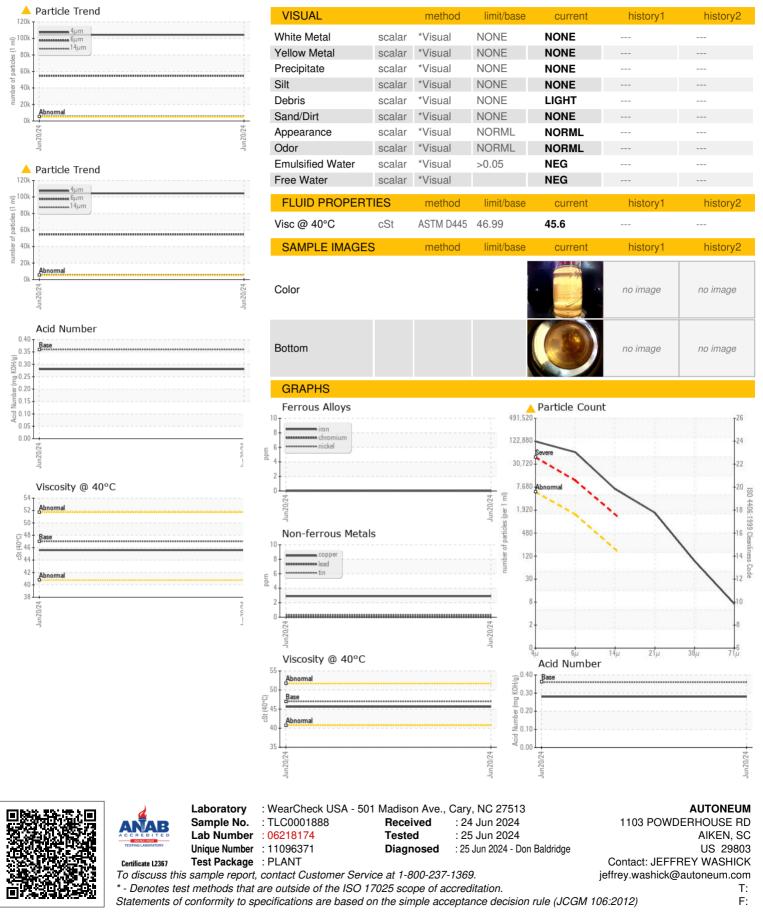
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TLC0001888		
Sample Date		Client Info		20 Jun 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m		3		
Tin		ASTM D5185m	>20	۲ ۲		
Vanadium	ppm	ASTM D5185m	>20	<1		
Cadmium	ppm ppm	ASTM D5185m ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.0	1		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	11	56		
Calcium	ppm	ASTM D5185m	35	61		
Phosphorus		ASTM D5185m	266	307		
	ppm					
Zinc	ppm	ASTM D5185m	276	356		
Sulfur	ppm	ASTM D5185m	1847	983		
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	2		
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>A</b> 104391		
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	<u> </u>		
Particles >71μm		ASTM D7647	>3	<u> </u>		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>4</b> 24/23/20		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
FLUID DEGRADA	ATION mg KOH/g	method ASTM D8045		current 0.28	history1	history2

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