

# **OIL ANALYSIS REPORT**

Sample Rating Trend

ISO

#### Machine Id

TOTE 61 Component New (Unused) Oil Fluid {not provided} (--- GAL)

## DIAGNOSIS

#### A Recommendation

We advise that you filter this fluid before use.

#### Wear

All wear metals are normal.

#### Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

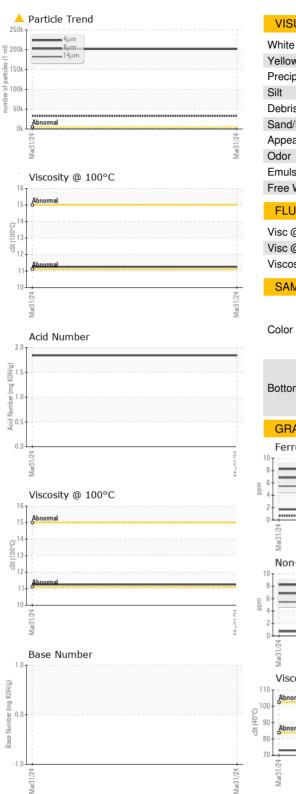
### Fluid Condition

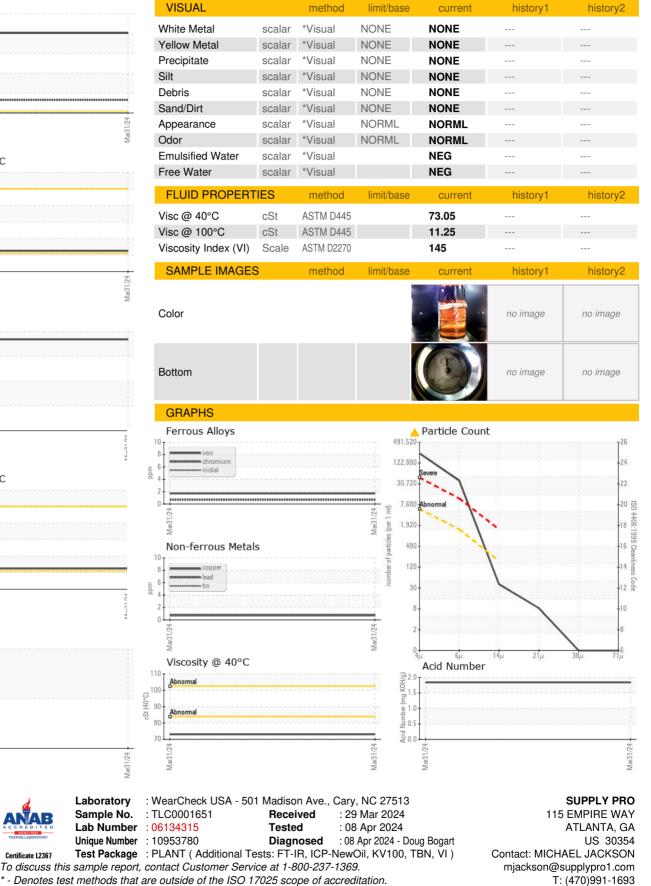
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TLC0001651		
Sample Date		Client Info		31 Mar 2024		
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	2		
Chromium	ppm	ASTM D5185m	>5	<1		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>5	4		
Aluminum	ppm	ASTM D5185m	>5	2		
Lead	ppm	ASTM D5185m	>5	<1		
Copper	ppm	ASTM D5185m	>5	<1		
Tin	ppm	ASTM D5185m	>5	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES	le le	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		70		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		31		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		125 1356		
Calcium	ppm	ASTM D5185m				
Phosphorus	ppm	ASTM D5185m		683		
Zinc	ppm	ASTM D5185m		787		
Sulfur	ppm	ASTM D5185m		3217		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	6		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	2		
Water	%	ASTM D6304		NEG		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>A</b> 201555		
Particles >6µm		ASTM D7647	>1300	<u> </u>		
Particles >14µm		ASTM D7647	>160	34		
Particles >21µm		ASTM D7647	>40	7		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>4</b> 25/22/12		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.84		



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\* - 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 12367

Laboratory

Sample No.

Lab Number

Contact/Location: MICHAEL JACKSON - SUPATLGA

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