

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.

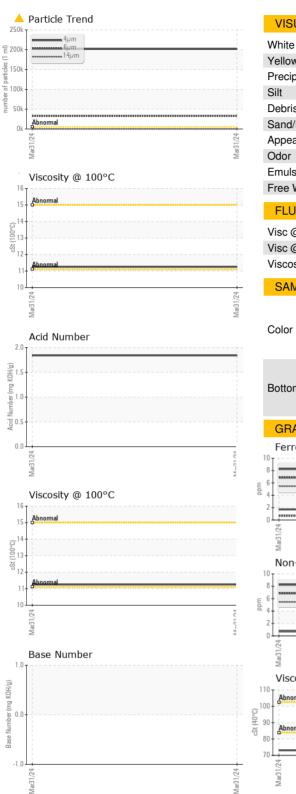
Fluid Condition

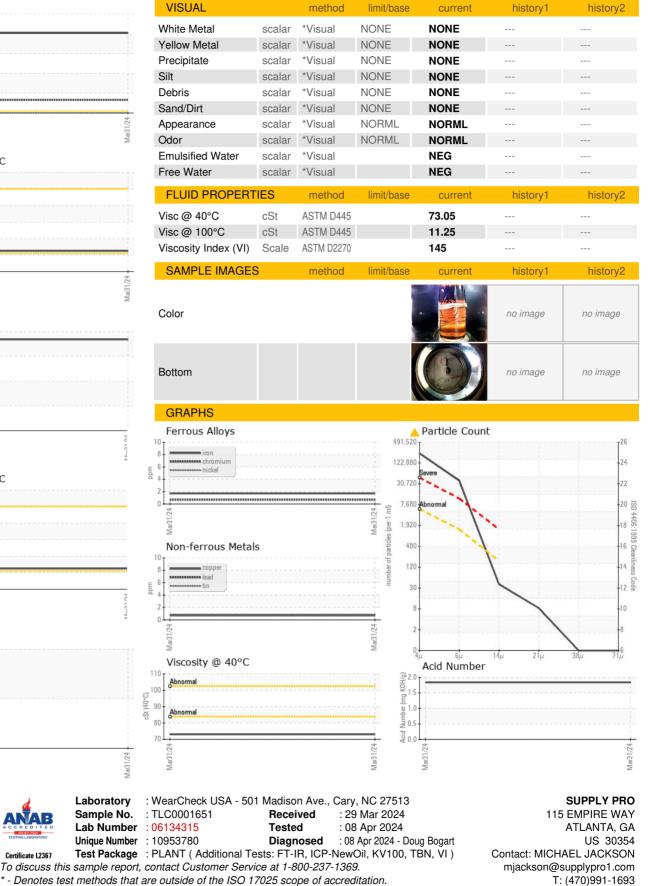
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

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	A 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	4 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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