

OIL ANALYSIS REPORT



Machine Id

TOTE 109 Component New (Unused) Oil Fluid

{not provided} (--- GAL)

DIAGNOSIS

A Recommendation

This is a baseline read-out on the submitted sample. We advise that you check for the source of water entry.

Contamination

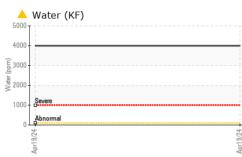
Appearance is hazy. There is a moderate concentration of water present in the oil.

SAMPLE INFORM	/IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TLC0001633		
Sample Date		Client Info		19 Apr 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	0		
Chromium	ppm	ASTM D5185m	>5	0		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>5	0		
Aluminum	ppm	ASTM D5185m	>5	0		
Lead	ppm	ASTM D5185m	>5	0		
Copper	ppm	ASTM D5185m	>5	0		
Tin	ppm	ASTM D5185m	>5	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		7		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		6		
Calcium	ppm	ASTM D5185m		48		
Phosphorus	ppm	ASTM D5185m		278		
Zinc	ppm	ASTM D5185m		41		
Sulfur	ppm	ASTM D5185m		11563		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	3		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304		A 0.400		
ppm Water	ppm	ASTM D6304		4000		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	826		
Particles >6µm		ASTM D7647	>1300	450		
Particles >14µm		ASTM D7647	>160	77		
Particles >21µm		ASTM D7647	>40	26		
Particles >38µm		ASTM D7647	>10	4		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/16/13		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.63		

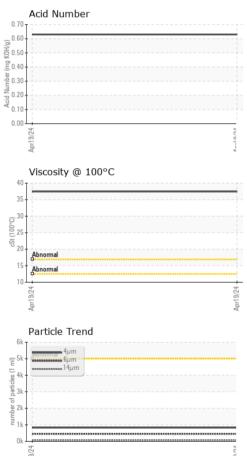
Contact/Location: MICHAEL JACKSON - SUPATLGA Page 1 of 2

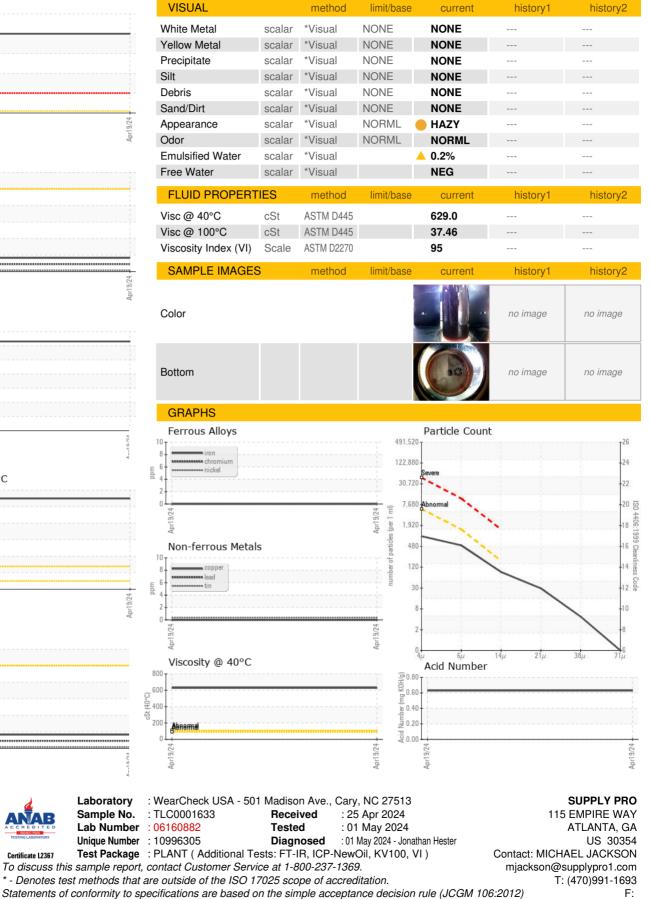


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Certificate 12367

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