

## **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL

Machine Id **TOTE 141** Component New (Unused) Oil Fluid {not provided} (--- GAL)

## DIAGNOSIS

Recommendation

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

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TLC0001684		
Sample Date		Client Info		28 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
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	1		
Lead	ppm	ASTM D5185m	>5	1		
Copper	ppm	ASTM D5185m	>5	0		
Tin	ppm	ASTM D5185m	>5	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		101		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		54		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		306		
Calcium	ppm	ASTM D5185m		1190		
Phosphorus	ppm	ASTM D5185m		688		
Zinc	ppm	ASTM D5185m		775		
Sulfur	ppm	ASTM D5185m		4076		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	8		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	3		
Water	%	ASTM D6304		NEG		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	2232		
Particles >6µm		ASTM D7647	>1300	135		
Particles >14µm		ASTM D7647	>160	3		
Particles >21µm		ASTM D7647		1		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/14/9		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.30		



80 70

60 50

18 Abnorma

16

cSt (100°C)

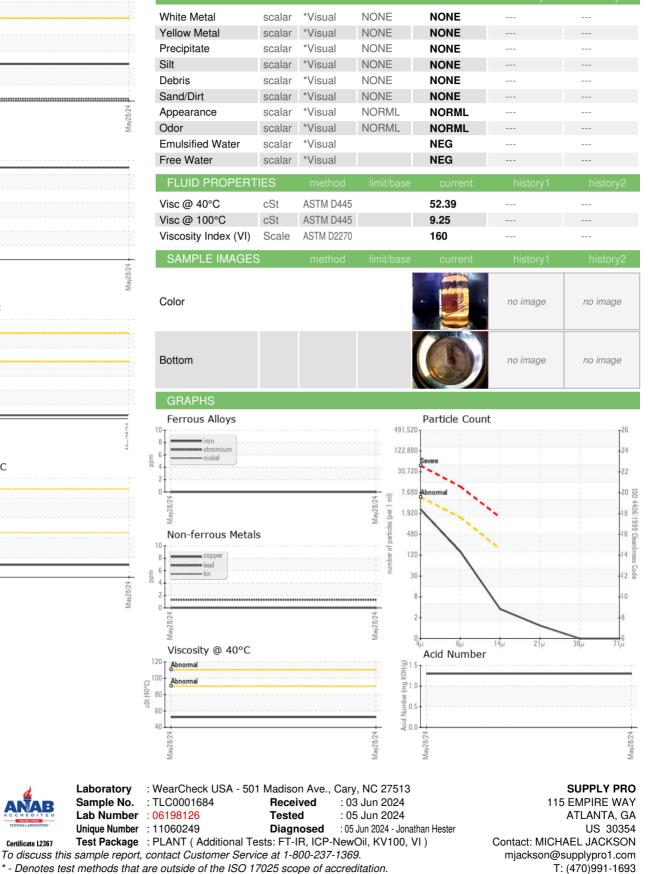
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Viscosity @ 100°C

## **OIL ANALYSIS REPORT**

Particle Trend	VISUA
⊋5k + <del>μαποπατα</del> 4μm	White M
The second state 5 k +   Second state 14μm	Yellow M
to 1 3k	Precipita
5 19.2k	Silt
Ten 1k	Debris
	Sand/Dir
May28/24	Appeara
Mayi	Odor
Acid Number	Emulsifie
1.4 T	Free Wa
	FLUID
¥ Ē 0.8	Visc @ 4
a 0.6	Visc @ 1
(0)X00 Public Pu	Viscosity
0.2	
	SAMP
May28/24	
	Color
Viscosity @ 40°C	
110 - Abnormal	
100	
() 90 Abnormal () 90 () () () () () () () () () () () () ()	Bottom



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Laboratory

Sample No.

Certificate 12367

May28/24 -

Report Id: SUPATLGA [WUSCAR] 06198126 (Generated: 06/06/2024 08:44:25) Rev: 1

Contact/Location: MICHAEL JACKSON - SUPATLGA

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