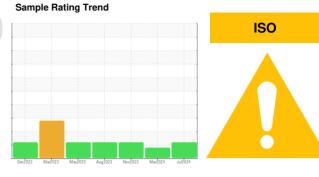


OIL ANALYSIS REPORT

CDW [CDW] TOTE 22 - TURBINE 100

New (Unused) Oil

TURBINE OIL ISO 100 (330 GAL)



DIAGNOSIS

Recommendation

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

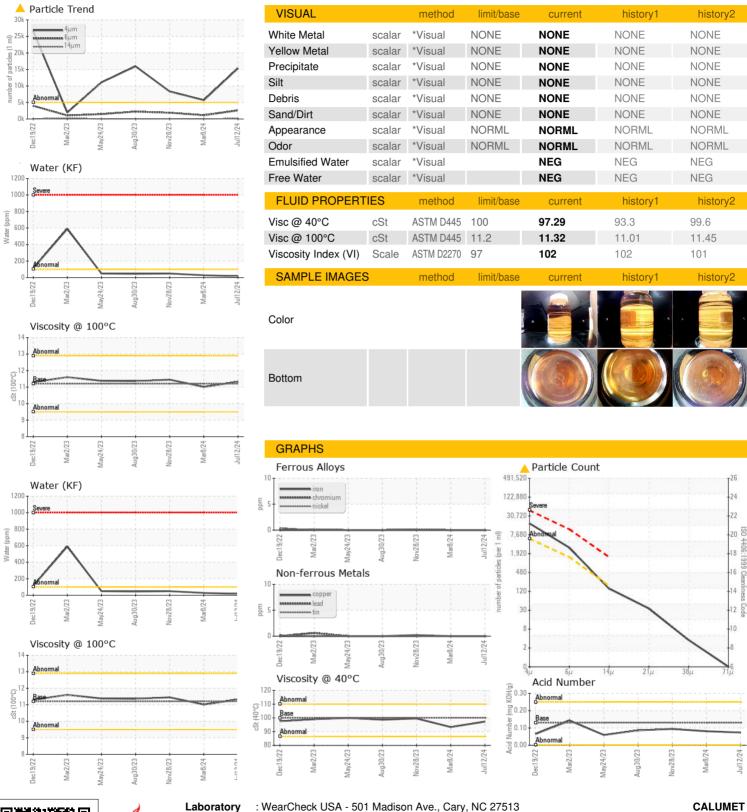
Contamination

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0042848	RP0042877	RP0038975
Sample Date		Client Info		12 Jul 2024	08 Mar 2024	28 Nov 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	ATTENTION	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>5	0	0	0
Chromium	ppm	ASTM D5185m	>5	0	0	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>5	0	0	2
Lead	ppm	ASTM D5185m	>5	0	0	0
Copper	ppm		>5	0	0	<1
Tin	ppm	ASTM D5185m	>5	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	PP	method	limit/base	-		
				current	history1	history2
Boron	ppm	ASTM D5185m	5	1	0	2
Barium	ppm		5	<1	0	2
Molybdenum	ppm	ASTM D5185m	5	2	2	3
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	5	10	0	11
Calcium	ppm	ASTM D5185m	10	27	5	28
Phosphorus	ppm	ASTM D5185m	275	41	18	46
Zinc	ppm	ASTM D5185m	7	22	0	10
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	1	0
Sodium	ppm	ASTM D5185m		2	0	0
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water	%	ASTM D6304		0.002	0.003	0.004
ppm Water	ppm	ASTM D6304		17	28	49
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	15339	5705	8316
Particles >6µm		ASTM D7647	>1300	^ 2603	1140	1885
Particles >14µm		ASTM D7647	>160	129	36	59
Particles >21µm		ASTM D7647	>40	30	3	8
		ASTM D7647	>10	3	0	1
Particles >38µm						4
Particles >38µm Particles >71µm		ASTM D7647	>3	0	0	1
·		ASTM D7647 ISO 4406 (c)	>3 >19/17/14	0 <u>21/19/14</u>	0 20/17/12	20/18/13
Particles >71µm	TION					



OIL ANALYSIS REPORT





Certificate 12367

Sample No.

Laboratory Lab Number

: RP0042848 : 06238300 Unique Number : 11127134

Received : 16 Jul 2024 **Tested** Diagnosed

: 19 Jul 2024 Test Package: IND 2 (Additional Tests: FT-IR, KV100, PrtCount, VI)

: 19 Jul 2024 - Jonathan Hester

SHREVEPORT, LA US 71109 Contact: NICHOLAS LESAGE nicholas.lesage@clmt.com T:

3333 MIDWAY AVENUE

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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)

F: