

OIL ANALYSIS REPORT

Machine Id **DSTS** Lube System

MOBIL SPARTAN EP 320 (2500 GAL)

Sample Rating Trend ISO

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue.

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

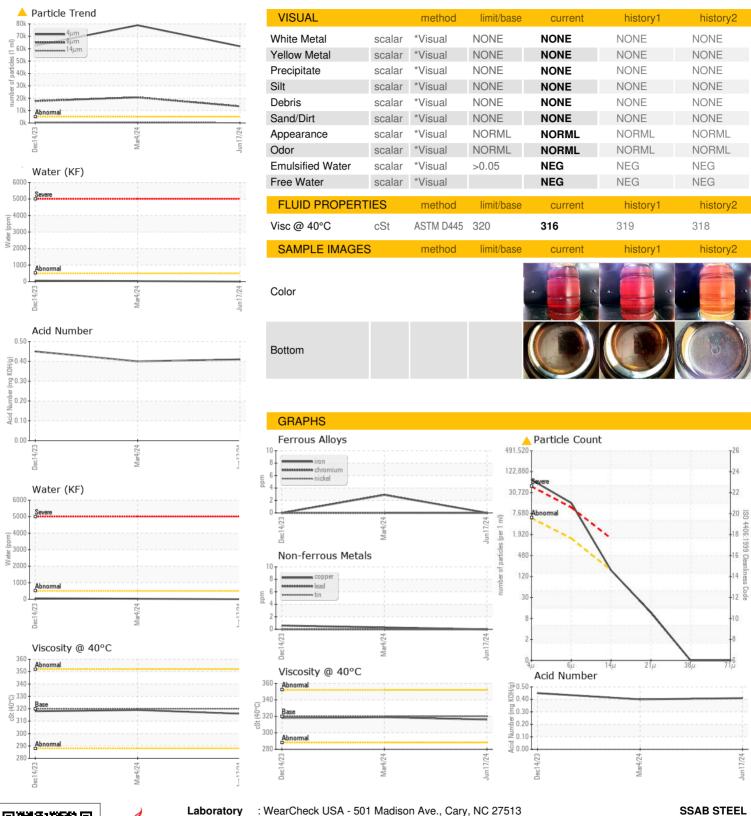
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ST38472	ST43199	ST43807
Sample Date		Client Info		17 Jun 2024	04 Mar 2024	14 Dec 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	3	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	0	<1	<1
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		6	7	20
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		0	5	0
Calcium	ppm	ASTM D5185m		0	10	6
Phosphorus	ppm	ASTM D5185m		169	164	157
Zinc	ppm	ASTM D5185m		2	6	6
Sulfur	ppm	ASTM D5185m		10907	8177	8375
CONTAMINANTS	}	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	<u>^</u> 23	3
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	1	0	<1
Water	%	ASTM D6304	>0.05	0.00	0.003	0.005
ppm Water	ppm	ASTM D6304	>500	0	31	54
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	<u>▲</u> 61895	▲ 78902	△ 62492
Particles >6µm		ASTM D7647	>1300	<u> </u>	▲ 20693	<u>▲</u> 17730
Particles >14μm		ASTM D7647	>160	<u> </u>	499	▲ 322
Particles >21µm		ASTM D7647	>40	10	▲ 80	30
Particles >38µm		ASTM D7647	>10	0	4	1
Particles >71µm		ASTM D7647	>3	0	2	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>23/21/14</u>	△ 23/22/16	△ 23/21/16
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.41	0.40	0.45



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Laboratory Sample No.

: ST38472 : 06221253

Lab Number Unique Number : 11099450

Diagnosed Test Package : IND 2 (Additional Tests: KF)

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

Certificate 12367

* - 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)

Received

Tested

: 26 Jun 2024

: 27 Jun 2024

: 27 Jun 2024 - Don Baldridge

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