

OIL ANALYSIS REPORT

Sample Rating Trend ISO

Machine Id

SEW EURODRIVE AERO FREEZER 10 (S/N S432704) Component Gearbox

Fluid

USPI 5100 FG GEAR 220 LT (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates 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	/ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM37681	USPM30756	USP222282
Sample Date		Client Info		08 Jun 2024	28 Jan 2024	01 Apr 2021
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	>200	53	2 06	29
Chromium	ppm	ASTM D5185m	>15	<1	2	<1
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	0	0
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m		0	<1	<1
Tin	ppm	ASTM D5185m	>25	0	0	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	2	<1
Magnesium	ppm	ASTM D5185m		<1	0	0
Calcium	ppm	ASTM D5185m		3	0	0
Phosphorus	ppm	ASTM D5185m		726	671	648
Zinc	ppm	ASTM D5185m		6	0	0
Sulfur	ppm	ASTM D5185m		688	549	516
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		3	4	4
Sodium		ASTM D5185m	>50	ر 1	0	0
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water	ppm %	ASTM D5185III		0.064	0.008	0.078
ppm Water	ppm	ASTM D0304 ASTM D6304	>2002	640	82	780
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		113794	144021	150458
Particles >6µm		ASTM D7647	>2500	A 34207	▲ 77098	▲ 25386
Particles >14µm		ASTM D7647	>320	234	▲ 886	306
Particles >21µm		ASTM D7647		11	57	35
Particles >38µm		ASTM D7647	>20	3	0	4
Particles >71µm		ASTM D7647		1	0	1
Oil Cleanliness		ISO 4406 (c)	>/18/15	A 24/22/15	▲ 24/23/17	▲ 24/22/15
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	Con	0.70		

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Contact/Location: SERVICE MANAGER - TYSDAR



160 1404

120k

<u>ន</u>៍ 100

108 Bar

60

40k

20

0

1200

1000

800 (maa)

600 Water 400

2001

0.80

0.70

Water (

Abnorma

OIL ANALYSIS REPORT

limit/base

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

limit/base

>0.2

current

NONE

NONE

NONE

NONE

NONE

NONE

NORML

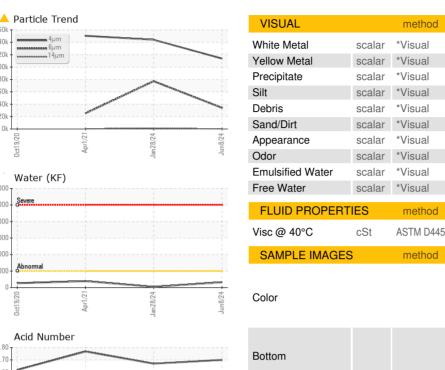
NORML

curren

0.2%

NEG

213





history1

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history

NEG

NEG

212

history2

NONE

NONE

NONE

NONE

LIGHT

NONE

HAZY

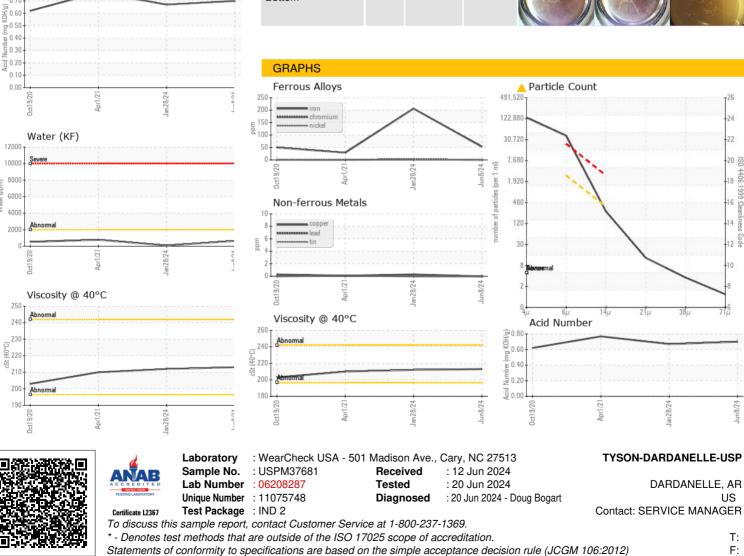
NEG

210

1.0

NORML

history



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