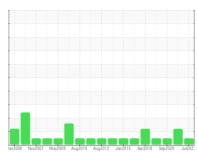


## **OIL ANALYSIS REPORT**

## Sample Rating Trend







# ENGINE ROOM Machine Id MSC-6 (S/N SU-2178C)

Refrigeration Compressor

Fluid

USPI ALT-68 SC (--- LTR)

#### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

#### Moor

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.

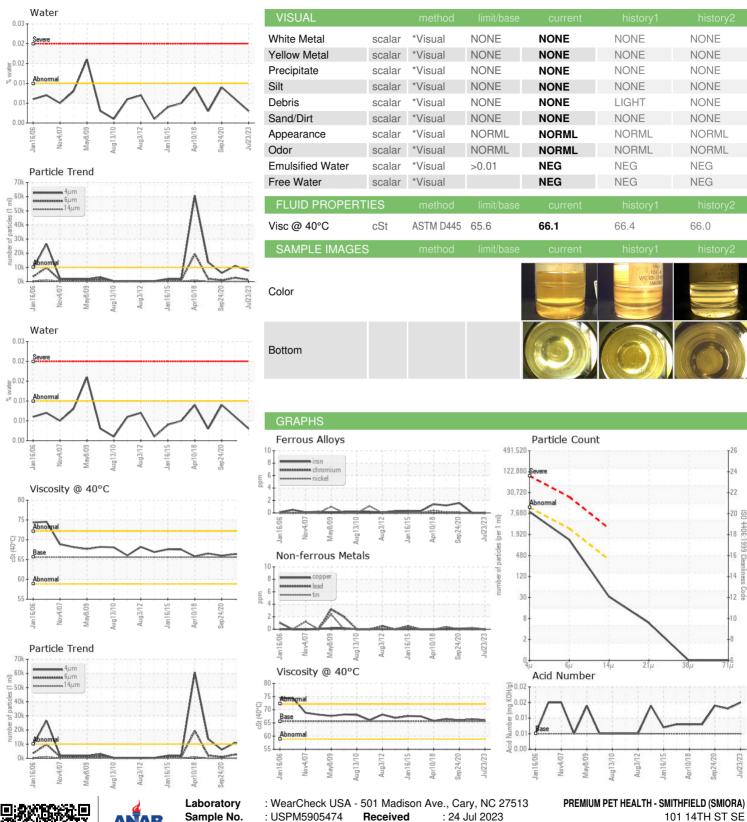
### **Fluid Condition**

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	<i>,,</i> (1101 <b>1</b>	Client Info	mmusacc	USPM5905474	USP243429	USP208921
Sample Date		Client Info		23 Jul 2023	05 Jul 2023	24 Sep 2020
Machine Age	hrs	Client Info		0	03 301 2023	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	1113	Client Info		N/A	N/A	N/A
Sample Status		Ollerit IIIIO		NORMAL	ATTENTION	NORMAL
•		and the set	Parel Maria			
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	0	0	2
Chromium	ppm	ASTM D5185m	>2	0	0	0
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>3	0	<1	0
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	0	<1	<1
Tin	ppm	ASTM D5185m	>4	0	<1	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		<1	<1	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m		0	0	2
Phosphorus	ppm	ASTM D5185m		0	<1	0
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m	50	13	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	4	2	4
Sodium	ppm	ASTM D5185m		0	<1	1
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Water	%	ASTM D6304	>0.01	0.003	0.006	0.009
ppm Water	ppm	ASTM D6304	>100	26.8	65.3	91.0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>10000	7516	<u> </u>	6078
Particles >6µm		ASTM D7647	>2500	1193	<u>^</u> 2692	879
Particles >14μm		ASTM D7647	>320	28	87	9
Particles >21µm		ASTM D7647	>80	5	14	0
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/17/12	<u>^</u> 21/19/14	20/17/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



## **OIL ANALYSIS REPORT**





Certificate L2367

Sample No. Lab Number **Unique Number** 

: 05905474 : 10566830 Test Package : IND 2

: USPM5905474

: 25 Jul 2023 Diagnosed Diagnostician : Doug Bogart ORANGE CITY, IA

US 51041 Contact: TIM REINERT

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

\* - 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)

T: (712)737-5739 F: