

**Refrigeration Compressor** USPI 1009-68 SC (85 GAL)

C-3 (S/N S108ZTFMPLHAA03)

Machine Id

Componen

Wear

DIAGNOSIS

Contamination

Fluid Condition

Recommendation

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend

### NORMAL



USP250637

Not Changd

NORMAL

91031

45900

17 Mar 2023

SAMPLE INFORMATION method Sample Number **Client Info** Resample at the next service interval to monitor. Sample Date Client Info Machine Age hrs **Client Info** 97507 All component wear rates are normal. Oil Age hrs Client Info 52377 Oil Changed **Client Info** Sample Status NORMAL There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable. Iron Chromiur The AN level is acceptable for this fluid. The condition of the oil is suitable for further service. Nickel Titanium Silver Aluminur Lead Copper Tin Vanadiur Cadmium ppm ASTM D5185m 0 Во Ва Mo Ma Ma Ca Ph Zin Su Silicon ppm ASTM D5185m >15 <1 Sodium ppm ASTM D5185m <1 ASTM D5185m Potassium >20 ppm <1 0.003 Water % ASTM D6304 >0.01 26 ppm Water ASTM D6304 >100 ppm >10000 Particles >4µm ASTM D7647 3743 >2500 1061 Particles >6µm ASTM D7647 Particles >14µm ASTM D7647 >320 38 Particles >21µm ASTM D7647 >80 7 Particles >38µm ASTM D7647 >20 0

USP249025 USP249024 26 Mar 2024 25 Aug 2023 93662 48531 Not Changd Not Changd NORMAL

RMETALS		method				history2
	ppm	ASTM D5185m	>8	0	0	0
ım	ppm	ASTM D5185m	>2	<1	0	0
	ppm	ASTM D5185m		<1	0	0
า	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m	>2	0	0	0
m	ppm	ASTM D5185m	>3	<1	0	<1
	ppm	ASTM D5185m	>2	0	0	0
	ppm	ASTM D5185m	>8	0	0	<1
	ppm	ASTM D5185m	>4	0	0	0
m	ppm	ASTM D5185m		0	0	0
m	ppm	ASTM D5185m		0	0	0

ADDITIVES		method				history2
oron	ppm	ASTM D5185m		0	0	0
arium	ppm	ASTM D5185m		0	0	0
olybdenum	ppm	ASTM D5185m		0	0	0
anganese	ppm	ASTM D5185m		0	0	0
agnesium	ppm	ASTM D5185m		0	<1	<1
alcium	ppm	ASTM D5185m		0	0	0
nosphorus	ppm	ASTM D5185m		0	0	0
nc	ppm	ASTM D5185m		0	0	0
ılfur	ppm	ASTM D5185m	50	0	2	22
CONTAMINANTS		method	limit/base	current	history1	history2
licon	nnm	ASTM D5185m	>15	<1	1	2

	Acid Number (AN)	mg KOH/g	ASTM D974	0.005
Report Id: SMIWIL [WUSCAR] 06133463 (Generated: 04/02/2024 1	9:21:47) Rev: 1			

Particles >71µm

**Oil Cleanliness** 

FLUID DEGRADATION

ASTM D7647

ISO 4406 (c)

>4

>20/18/15

0.015

20/18/12

0

1

0.001

5656

1530

38

5

0

0

0

19/17/12

0.027

6.6

0

0

0.005

51.0

7979

2102

72

12

0

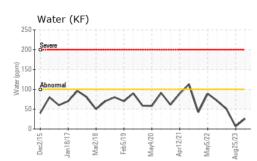
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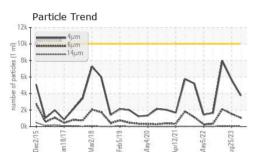
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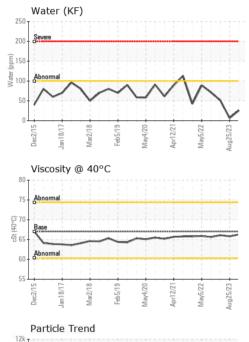
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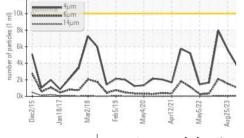


# **OIL ANALYSIS REPORT**

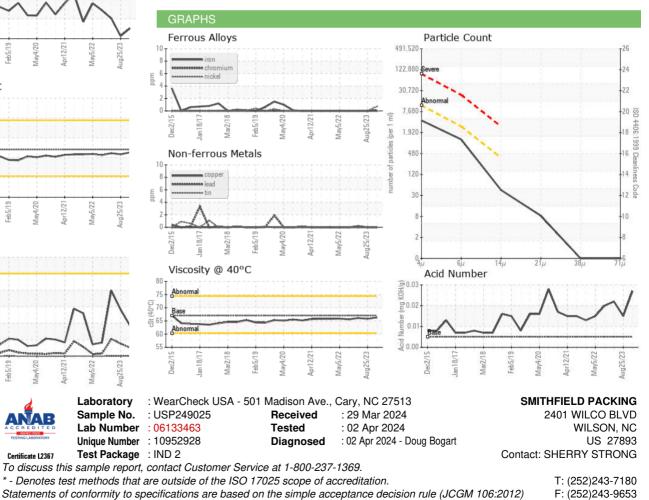








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.01	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	67	66.3	65.8	66.1
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color				•		N223 N2
Bottom					6	



Certificate L2367

Contact/Location: SHERRY STRONG - SMIWIL

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