

# **OIL ANALYSIS REPORT**

## Machine Id C-1 (S/N W1096UFMPLHAA03)

Refrigeration Compressor

USPI 1009-68 SC (85 GAL)

#### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is a moderate 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.

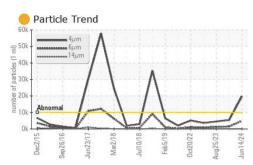
		Jec2015 Sep2	016 Jun2017 Mar2018	Jul2018 Feb2019 Oct2022 Aug	023 Jun202	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0013188	USP249022	USP249023
Sample Date		Client Info		14 Jun 2024	26 Mar 2024	25 Aug 2023
Machine Age	hrs	Client Info		84312	82419	77928
Oil Age	hrs	Client Info		19933	18040	13599
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				ATTENTION	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	0	0	0
Chromium	ppm	ASTM D5185m	>2	<1	<1	0
Nickel	ppm	ASTM D5185m		0	1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	2	<1	2
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	<1	0	0
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	0	<1
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		0	0	0
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m	50	15	0	2
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	1	3
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m		<1	1	1
Water	%	ASTM D6304	>0.01	0.003	0.002	0.003
ppm Water	ppm	ASTM D6304	>100	29	19	29.8
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<b>e</b> 19726	5431	4568
Particles >6µm		ASTM D7647	>2500	<mark> </mark> 4854	1446	1245
Particles >14µm		ASTM D7647	>320	74	40	51
Particles >21µm		ASTM D7647		7	7	9
Particles >38µm		ASTM D7647	>20	1	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<b>e</b> 21/19/13	20/18/12	19/17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.014	0.014

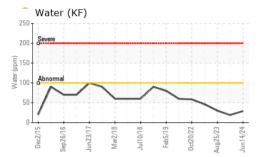
Sample Rating Trend

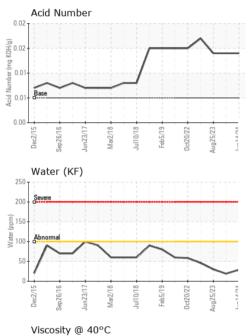
ISO

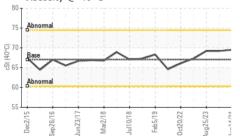


# **OIL ANALYSIS REPORT**











à	Laboratory
NAB	Sample No.
REDITED	Lab Number
ING LABORATORY	Unique Number
ificate L2367	Test Package

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: (252)243-7180 F: (252)243-9653

Report Id: SMIWIL [WUSCAR] 06214712 (Generated: 06/24/2024 17:23:12) Rev: 1

Contact/Location: SHERRY STRONG - SMIWIL

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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	69.5	69.2	69.2
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color				•		NY: NY: NY: Sawa
Bottom						

