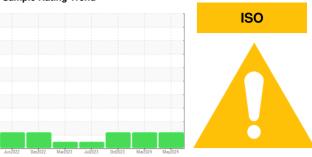


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# 4 HSC-4 (S/N W1899)

Component Refrigeration Compressor

USPI ALT-68 SC (--- 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.

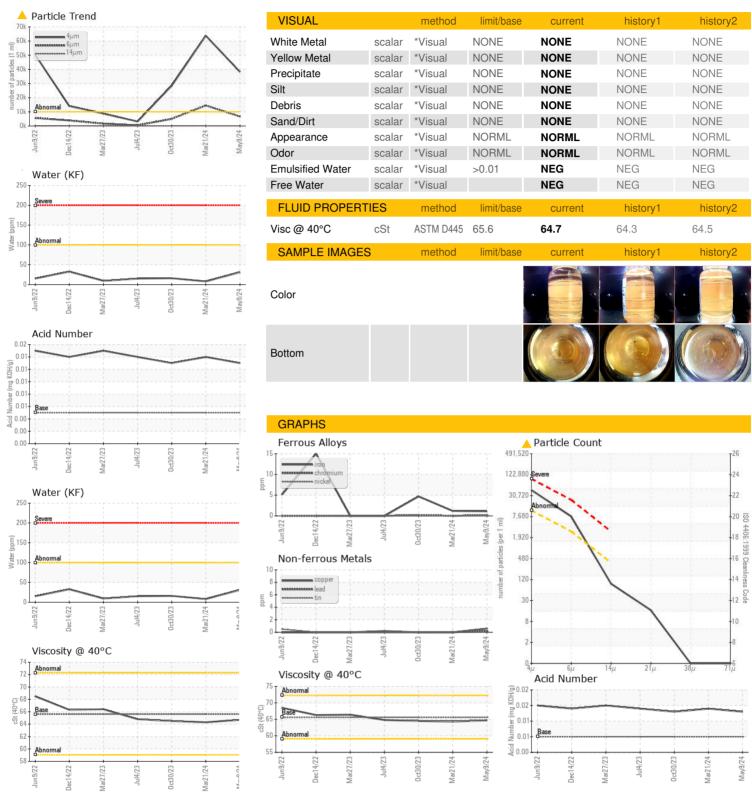
### **Fluid Condition**

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

		Jun2022	Dec2022 Mar2023	Jul2023 Oct2023 Mar2024	May2024	
SAMPLE INFORM	<b>MATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0011892	USP0006713	USP0004018
Sample Date		Client Info		09 May 2024	21 Mar 2024	30 Oct 2023
Machine Age	hrs	Client Info		4350	3641	2614
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	>8	1	1	5
Chromium	ppm	ASTM D5185m	>2	<1	0	<1
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>3	0	0	<1
Lead	ppm	ASTM D5185m	>2	<1	0	0
Copper	ppm	ASTM D5185m	>8	<1	0	0
Tin	ppm	ASTM D5185m	>4	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	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		<1	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		<1	0	0
Phosphorus	ppm	ASTM D5185m		0	0	0
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m	50	0	0	0
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	0
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	1	0	<1
Water	%	ASTM D6304	>0.01	0.003	0.001	0.002
ppm Water	ppm	ASTM D6304	>100	31	8	16
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>10000	▲ 38201	<b>△</b> 63730	<u>▲</u> 28437
Particles >6µm		ASTM D7647	>2500	<u> </u>	<u>14490</u>	▲ 5014
Particles >14μm		ASTM D7647	>320	80	129	83
Particles >21µm		ASTM D7647	>80	14	11	14
Particles >38μm		ASTM D7647	>20	0	0	0
Particles >71μm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>22/20/13</u>	<u>△</u> 23/21/14	<u>22/20/14</u>
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.013	0.014	0.013



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No. Lab Number Unique Number : 11031537

Test Package : IND 2

: USP0011892 : 06180211

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** 

: 15 May 2024 : 18 May 2024 Diagnosed : 18 May 2024 - Jonathan Hester

**CONAGRA PINNACLE FOODS - DARIEN** W8880 COUNTY RD X

DARIEN, WI US 53114

Contact: Service Manager

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:

F: