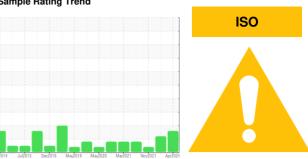


# **OIL ANALYSIS REPORT**

Sample Rating Trend



**ENGINE ROOM** 

# 2 HOWDEN HS-4 (S/N MK6A/WHVI255165/1529)

Refrigeration Compressor

SUMMIT RAB 68 (--- GAL)

### **DIAGNOSIS**

### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is a high amount of particulates present in the oil.

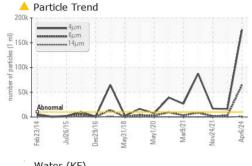
### **Fluid Condition**

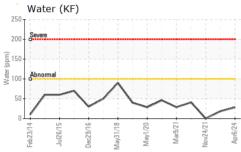
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

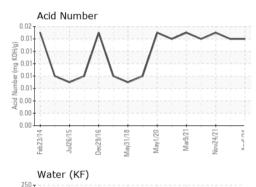
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0006351	USP0003414	USP238602
Sample Date		Client Info		06 Apr 2024	26 Oct 2023	24 Nov 2021
Machine Age	hrs	Client Info		0	0	33448
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ABNORMAL	ATTENTION	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	10	6	0
Chromium	ppm	ASTM D5185m	>2	0	<1	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	<1	0	0
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	2	<1	0
Tin	ppm	ASTM D5185m	>4	<1	0	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	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		1	0	0
Magnesium	ppm	ASTM D5185m		<1	<1	0
Calcium	ppm	ASTM D5185m		1	<1	0
Phosphorus	ppm	ASTM D5185m		0	0	0
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		29	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	0	0
Sodium	ppm	ASTM D5185m		4	0	0
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water	%	ASTM D6304	>0.01	0.003	0.002	0.001
ppm Water	ppm	ASTM D6304	>100	28	18.5	0.00
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<u> </u>	15799	<b>16949</b>
Particles >6µm		ASTM D7647	>2500	<b>64365</b>	2873	1550
Particles >14µm		ASTM D7647	>320	<b>738</b>	49	24
Particles >21µm		ASTM D7647	>80	45	5	2
Particles >38µm		ASTM D7647	>20	0	0	0
•						
Particles >71µm		ASTM D7647	>4	0	0	0
Particles >71µm Oil Cleanliness		ASTM D7647 ISO 4406 (c)	>4 >20/18/15	0 ^ 25/23/17	0 21/19/13	0 21/18/12

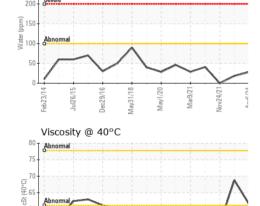


## **OIL ANALYSIS REPORT**



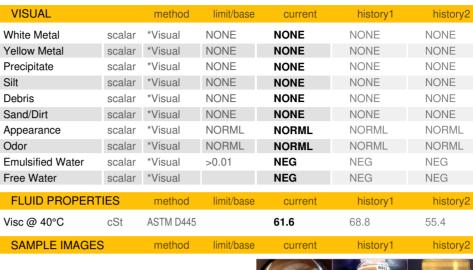






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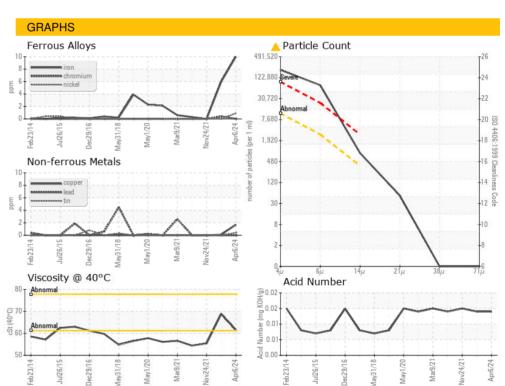




**Bottom** 

Color





Laboratory

Sample No. Lab Number : 06150471 Unique Number : 10980549 Test Package : IND 2

: USP0006351

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 16 Apr 2024 **Tested** : 17 Apr 2024

Diagnosed : 17 Apr 2024 - Doug Bogart

MONMOUTH, IL US

**FARMLAND FOODS INC - SMITHFIELD** 

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

 $^st$  - 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)

Contact:

T:

F: