

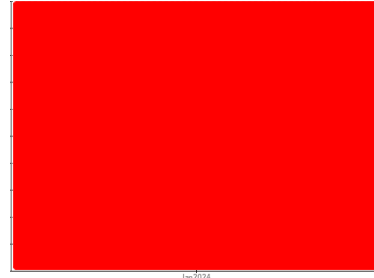


PROBLEM SUMMARY

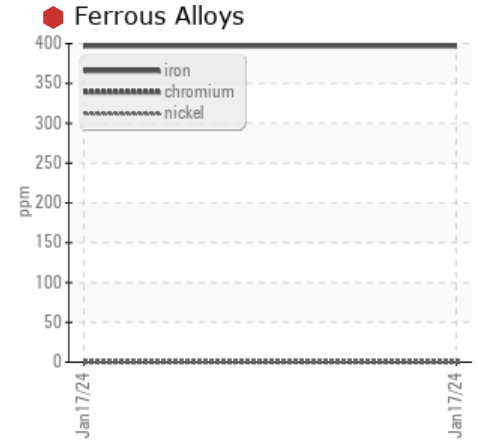
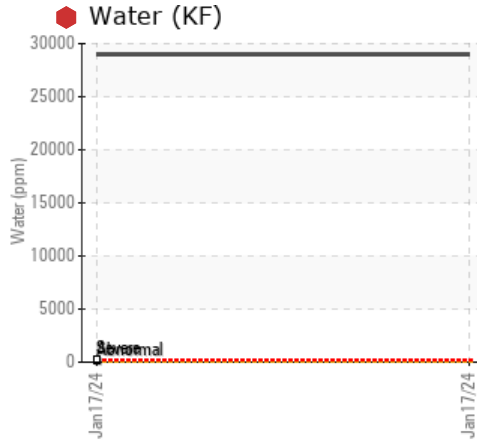
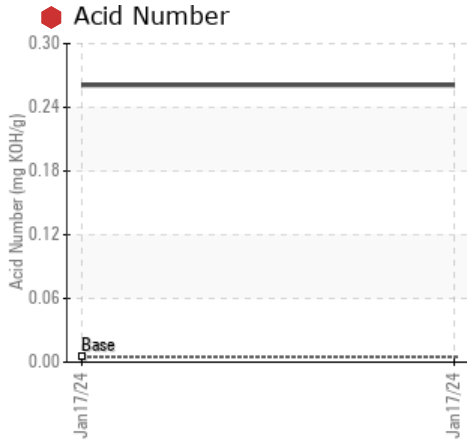
Sample Rating Trend

WEAR

Area
[BARREL 1 BEFORE]
 Machine Id
RECYCLED NH3 OIL (S/N X5127)
 Component
Refrigeration Compressor
 Fluid
USPI ALT-68 SC (--- GAL)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

This is a baseline read-out on the submitted sample. There is too much water present in this sample to perform a particle count. Results confirmed. BARREL 1 BEFORE

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Iron	ppm	ASTM D5185m	>8	397	---	---
Water	%	ASTM D6304	>0.01	2.90	---	---
ppm Water	ppm	ASTM D6304	>100	29000	---	---
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.261	---	---
Emulsified Water	scalar	*Visual	>0.01	0.2%	---	---

Customer Id: CARCOLNE
 Sample No.: USP243491
 Lab Number: 06065690
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

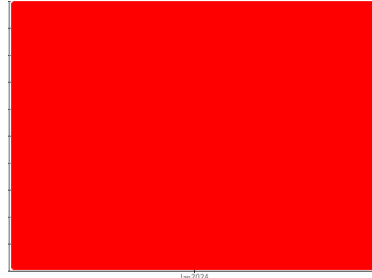


OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Area
[BARREL 1 BEFORE]
 Machine Id
RECYCLED NH3 OIL (S/N X5127)
 Component
Refrigeration Compressor
 Fluid
USPI ALT-68 SC (--- GAL)



DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample. There is too much water present in this sample to perform a particle count. Results confirmed. BARREL 1 BEFORE

Wear

The iron level is abnormal.

Contamination

Appearance is milky. There is a high concentration of water present in the oil.

Fluid Condition

The AN level is above the recommended limit.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		USP243491	---	---
Sample Date	Client Info		17 Jan 2024	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed		Client Info	N/A	---	---
Sample Status			SEVERE	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >8	397	---	---
Chromium	ppm	ASTM D5185m >2	<1	---	---
Nickel	ppm	ASTM D5185m	1	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m >2	<1	---	---
Aluminum	ppm	ASTM D5185m >3	<1	---	---
Lead	ppm	ASTM D5185m >2	0	---	---
Copper	ppm	ASTM D5185m >8	6	---	---
Tin	ppm	ASTM D5185m >4	1	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	3	---	---
Barium	ppm	ASTM D5185m	0	---	---
Molybdenum	ppm	ASTM D5185m	0	---	---
Manganese	ppm	ASTM D5185m	2	---	---
Magnesium	ppm	ASTM D5185m	0	---	---
Calcium	ppm	ASTM D5185m	0	---	---
Phosphorus	ppm	ASTM D5185m	4	---	---
Zinc	ppm	ASTM D5185m	6	---	---
Sulfur	ppm	ASTM D5185m 50	0	---	---

CONTAMINANTS

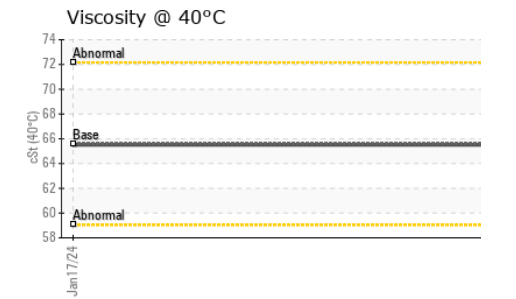
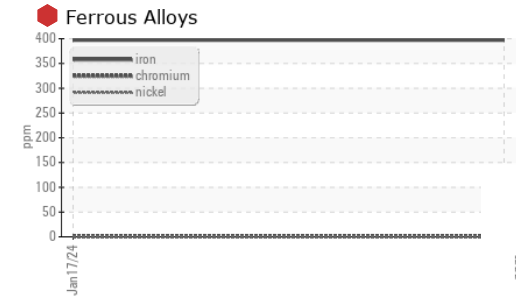
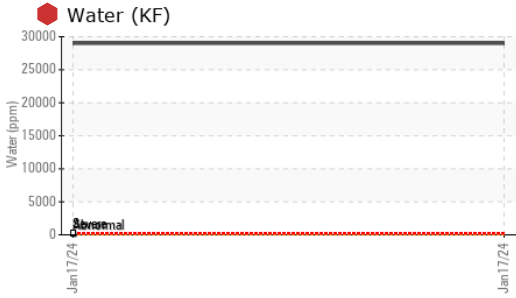
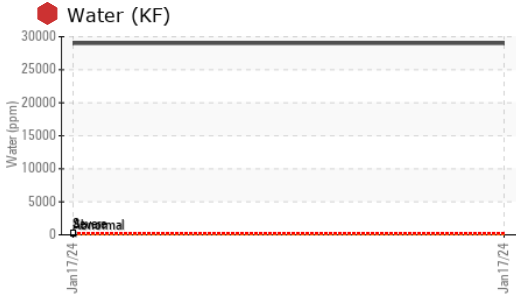
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	6	---	---
Sodium	ppm	ASTM D5185m	2	---	---
Potassium	ppm	ASTM D5185m >20	<1	---	---
Water	%	ASTM D6304 >0.01	2.90	---	---
ppm Water	ppm	ASTM D6304 >100	29000	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974 0.005	0.261	---	---



OIL ANALYSIS REPORT



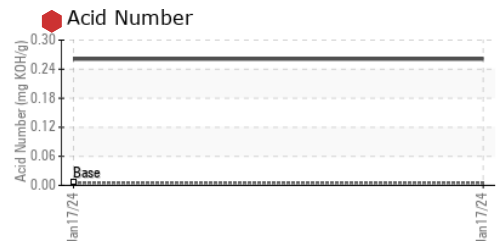
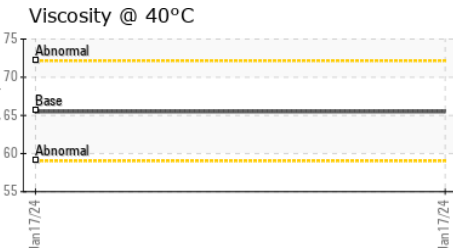
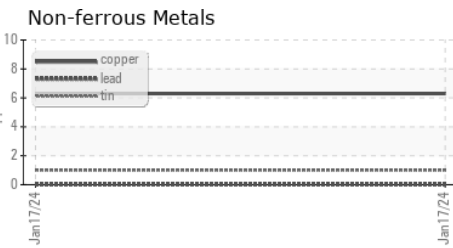
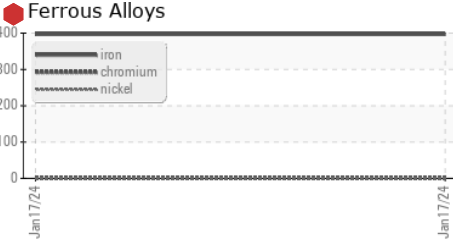
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	▲ MILKY	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.01	◆ 0.2%	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	65.6	65.5	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP243491 **Received** : 19 Jan 2024
Lab Number : 06065690 **Diagnosed** : 26 Jan 2024
Unique Number : 10837072 **Diagnostician** : Doug Bogart
Test Package : IND 2

CARGILL FOODS-COLUMBUS
 COLUMBUS, NE
 US 68601
 Contact:

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: