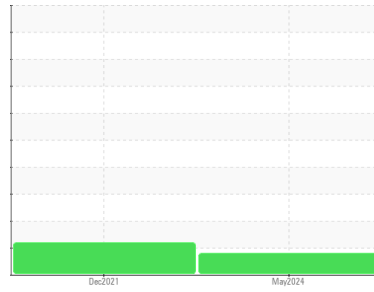


Area
4010
 Machine Id
INGERSOLL RAND PX2870U04037 - MANVILLE
 Component
Compressor

Sample Rating Trend



WEAR



DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

The copper level is abnormal. All other component wear rates are normal.

Contamination

There is a moderate amount of visible silt present in the sample.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		UCP06218377	UCP05444344	---
Sample Date	Client Info		06 May 2024	29 Dec 2021	---
Machine Age	hrs	Client Info	36772	32909	---
Oil Age	hrs	Client Info	2000	0	---
Oil Changed	Client Info		Not Changed	Changed	---
Sample Status			ATTENTION	ABNORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	2	1	---
Chromium	ppm	ASTM D5185m >10	0	0	---
Nickel	ppm	ASTM D5185m	<1	0	---
Titanium	ppm	ASTM D5185m	<1	0	---
Silver	ppm	ASTM D5185m	0	<1	---
Aluminum	ppm	ASTM D5185m >25	<1	2	---
Lead	ppm	ASTM D5185m >25	6	<1	---
Copper	ppm	ASTM D5185m >50	56	3	---
Tin	ppm	ASTM D5185m >15	<1	<1	---
Antimony	ppm	ASTM D5185m	---	0	---
Vanadium	ppm	ASTM D5185m	<1	0	---
Cadmium	ppm	ASTM D5185m	<1	<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	0	4	---
Barium	ppm	ASTM D5185m 0.4	0	60	---
Molybdenum	ppm	ASTM D5185m 0.5	0	0	---
Manganese	ppm	ASTM D5185m 0.4	<1	<1	---
Magnesium	ppm	ASTM D5185m 0	<1	3	---
Calcium	ppm	ASTM D5185m 0.3	0	10	---
Phosphorus	ppm	ASTM D5185m 1376	629	30	---
Zinc	ppm	ASTM D5185m 0	485	310	---
Sulfur	ppm	ASTM D5185m 320	1147	0	---

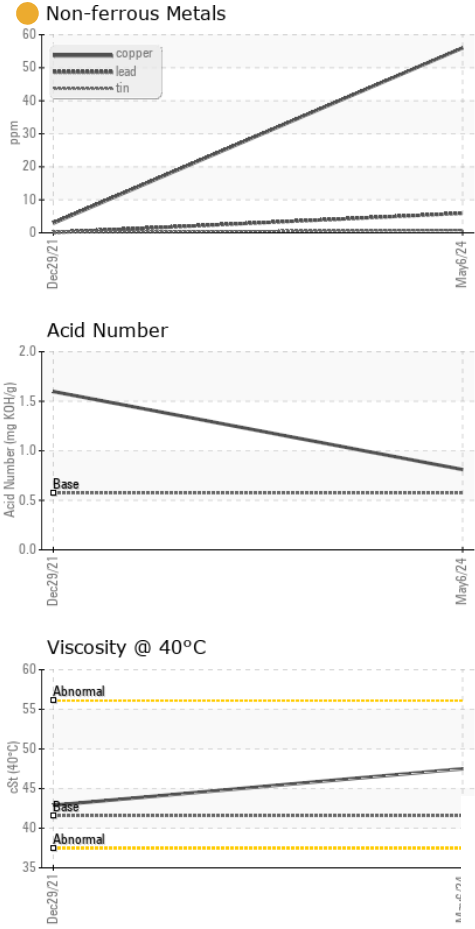
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	3	2	---
Sodium	ppm	ASTM D5185m	6	55	---
Potassium	ppm	ASTM D5185m >20	4	2	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.573	0.81	▲ 1.598	---

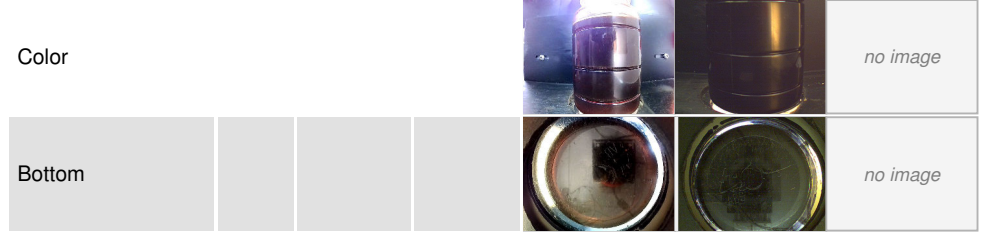
OIL ANALYSIS REPORT



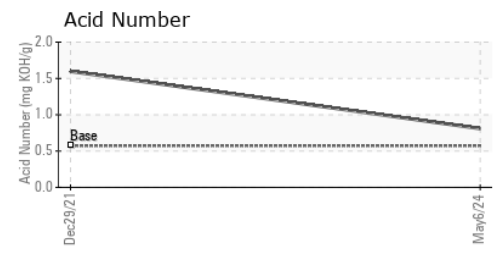
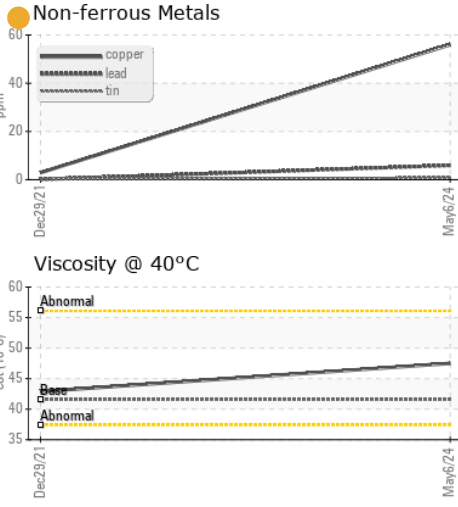
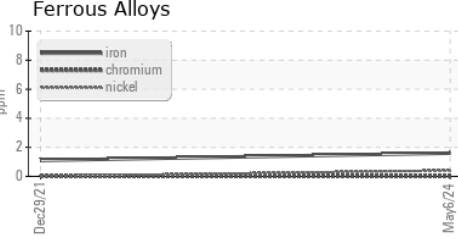
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	MODER	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	41.57	47.5	42.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCP06218377 **Received** : 24 Jun 2024
Lab Number : **06218377** **Tested** : 25 Jun 2024
Unique Number : 11096574 **Diagnosed** : 26 Jun 2024 - Don Baldrige
Test Package : IND 2

PATTONS INC - BIRMINGHAM
 20 MONROE DR
 PELHAM, AL
 US 35124
 Contact: MARK FLOYD
 mark.floyd@pattonsinco.com

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) F: (205)780-4508