

# OIL ANALYSIS REPORT

Sample Rating Trend

**WATER**



Area  
**NOT GIVEN [SVO-059317]**  
Machine Id  
**INGERSOLL RAND F13453 - SHELTON INDUSTRIAL PATTON**  
Component  
**Compressor**



## DIAGNOSIS

### ▲ Recommendation

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

### Wear

All component wear rates are normal.

### ▲ Contamination

There is a moderate concentration of water present in the oil.

### Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>UCH00609784</b>	UCH05947329	---
Sample Date	Client Info			<b>08 Feb 2024</b>	21 Aug 2023	---
Machine Age	hrs	Client Info		<b>9190</b>	8186	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed	Client Info			<b>Not Chngd</b>	N/A	---
Sample Status				<b>ATTENTION</b>	ATTENTION	---

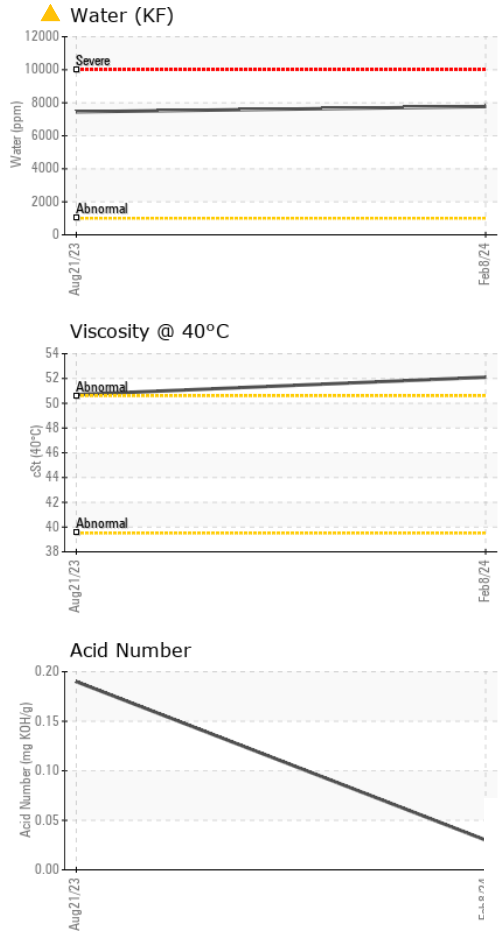
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>1</b>	<1	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m		<b>1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185m	>25	<b>1</b>	<1	---
Copper	ppm	ASTM D5185m	>50	<b>4</b>	<1	---
Tin	ppm	ASTM D5185m	>15	<b>2</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>7</b>	0	---
Barium	ppm	ASTM D5185m		<b>298</b>	449	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>2</b>	0	---
Calcium	ppm	ASTM D5185m		<b>9</b>	0	---
Phosphorus	ppm	ASTM D5185m		<b>0</b>	2	---
Zinc	ppm	ASTM D5185m		<b>8</b>	0	---
Sulfur	ppm	ASTM D5185m		<b>117</b>	304	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>2</b>	2	---
Sodium	ppm	ASTM D5185m		<b>19</b>	16	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	4	---
Water	%	ASTM D6304	>0.1	<b>▲ 0.777</b>	▲ 0.745	---
ppm Water	ppm	ASTM D6304	>1000	<b>▲ 7770</b>	▲ 7450	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.03</b>	0.19	---

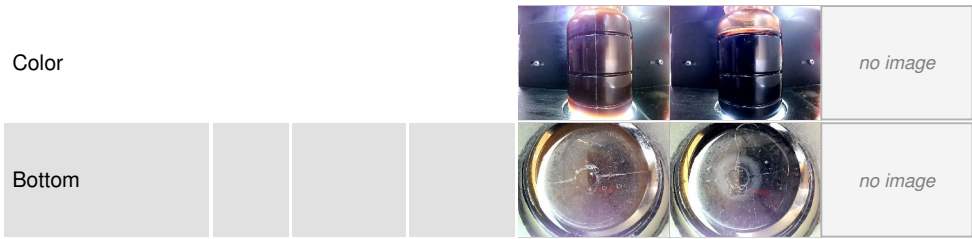
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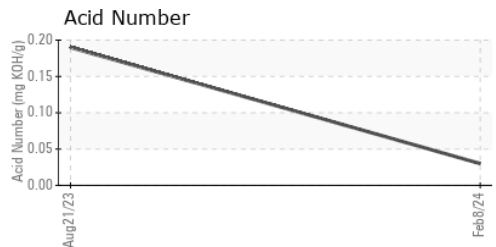
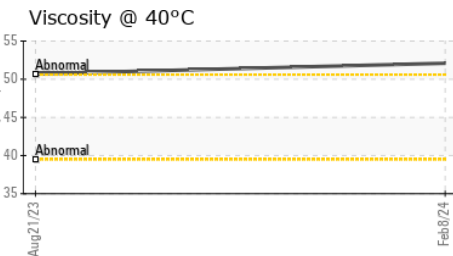
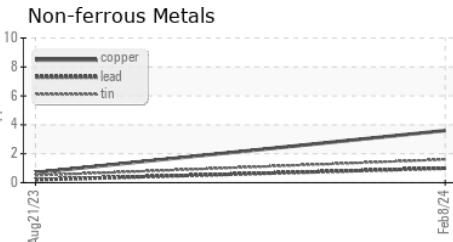
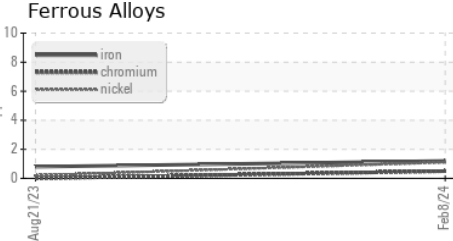
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	▲ 0.2%	▲ 0.2%
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	52.1	50.7	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH00609784  
**Lab Number** : 06097848  
**Unique Number** : 10896078  
**Test Package** : IND 2 ( Additional Tests: KF )

**JOHN HENRY FOSTER COMPANY**  
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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)