

Area

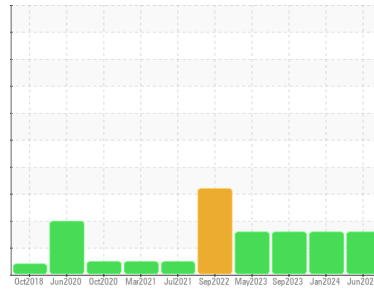
**ULTRA 46 [3506]**

Machine Id

**INGERSOLL RAND EP-50-PE-125 PG0174403205**

Component

**Compressor**



**DIAGNOSIS**

**Recommendation**

We advise that you check all areas where dirt can enter the system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

**Wear**

All component wear rates are normal.

**Contamination**

Elemental level of silicon (Si) above normal.

**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			<b>UCS06221332</b>	UCS06078411	UCS05985669
Sample Date	Client Info			<b>14 Jun 2024</b>	09 Jan 2024	22 Sep 2023
Machine Age	hrs	Client Info		<b>18051</b>	15004	1350
Oil Age	hrs	Client Info		<b>8076</b>	5029	3526
Oil Changed	Client Info			<b>Changed</b>	Not Changd	Changed
Sample Status				<b>ATTENTION</b>	ATTENTION	ATTENTION

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	<b>NEG</b>	NEG	NEG

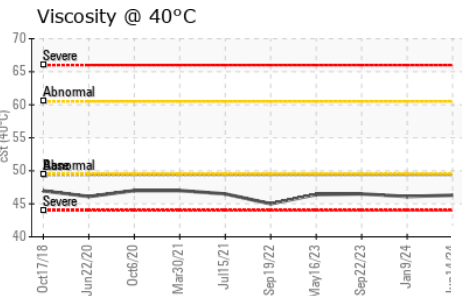
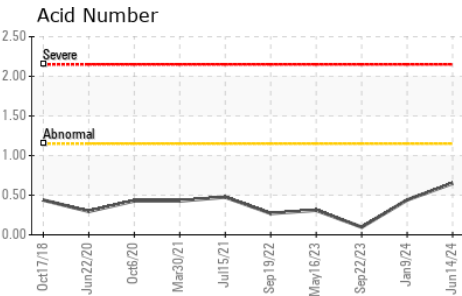
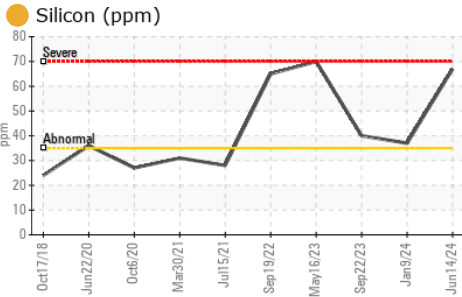
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>0</b>	0	<1
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m		<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>15	<b>2</b>	<1	2
Lead	ppm	ASTM D5185m	>65	<b>0</b>	2	0
Copper	ppm	ASTM D5185m	>65	<b>0</b>	2	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<b>0</b>	0	<1
Barium	ppm	ASTM D5185m	500	<b>0</b>	0	7
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>0</b>	2	0
Magnesium	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	<1
Calcium	ppm	ASTM D5185m	0	<b>0</b>	<1	2
Phosphorus	ppm	ASTM D5185m	20	<b>123</b>	142	133
Zinc	ppm	ASTM D5185m	0	<b>69</b>	88	84
Sulfur	ppm	ASTM D5185m	200	<b>218</b>	180	171

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	<b>67</b>	37	40
Sodium	ppm	ASTM D5185m		<b>0</b>	3	0
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	3	2

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.65</b>	0.44	0.097

# OIL ANALYSIS REPORT



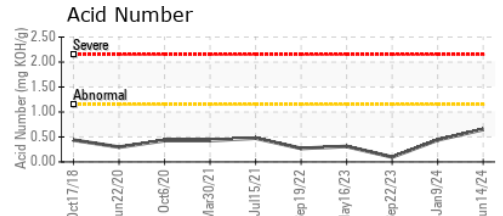
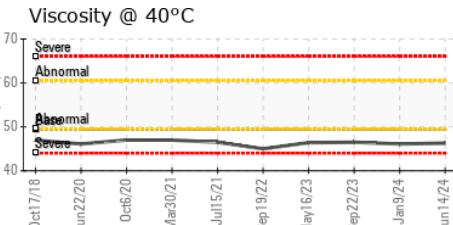
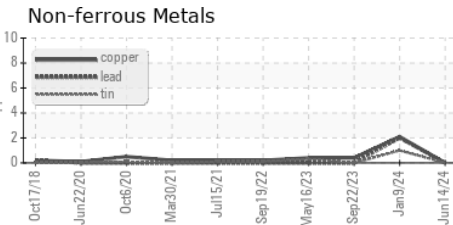
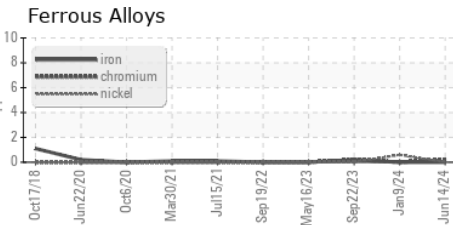
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	49.4	46.1	46.5

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCS06221332 **Received** : 26 Jun 2024  
**Lab Number** : 06221332 **Tested** : 27 Jun 2024  
**Unique Number** : 11099529 **Diagnosed** : 27 Jun 2024 - Sean Felton  
**Test Package** : IND 2

**STANLEY HEATING & AIR**  
 1002 DOBBINS MILL RD  
 ELKIN, NC  
 US 28621  
 Contact: DARRYL WEDDLE  
 darryl@stanleyvac.com  
 T: (336)366-4226  
 F:

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)