

**NORMAL**



Area

**4010**

Machine Id

**KAESER 1352 - HEICHE**

Component

**Compressor**

**DIAGNOSIS**

**Recommendation**

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**

Moderate concentration of visible dirt/debris 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 INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>UCP06218376</b>	UCP05674369	UCP05587452
Sample Date	Client Info			<b>15 Mar 2024</b>	11 Oct 2022	13 Jun 2022
Machine Age	hrs	Client Info		<b>32964</b>	32913	31103
Oil Age	hrs	Client Info		<b>1414</b>	1810	0
Oil Changed	Client Info			<b>Changed</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.05	<b>NEG</b>	NEG	NEG

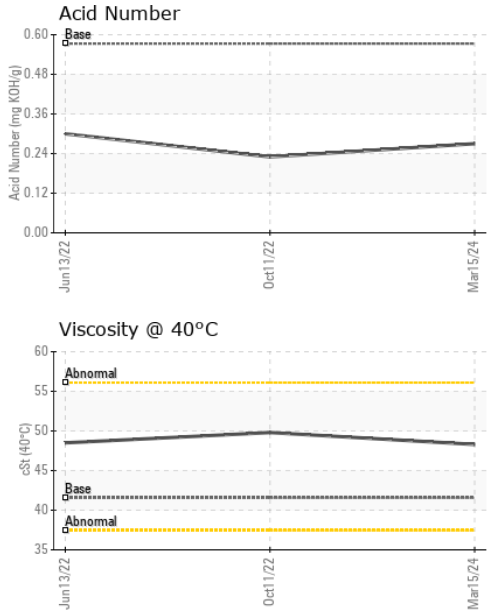
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>3</b>	<1	1
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>10	<b>1</b>	<1	1
Lead	ppm	ASTM D5185m	>10	<b>1</b>	0	<1
Copper	ppm	ASTM D5185m	>50	<b>3</b>	2	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</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	0
Barium	ppm	ASTM D5185m	0.4	<b>0</b>	2	21
Molybdenum	ppm	ASTM D5185m	0.5	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	0.4	<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m	0	<b>2</b>	1	56
Calcium	ppm	ASTM D5185m	0.3	<b>0</b>	0	1
Phosphorus	ppm	ASTM D5185m	1376	<b>685</b>	598	15
Zinc	ppm	ASTM D5185m	0	<b>44</b>	36	10
Sulfur	ppm	ASTM D5185m	320	<b>4239</b>	4132	16385

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>2</b>	<1	0
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	0	4
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	<1	2

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.573	<b>0.27</b>	0.23	0.30

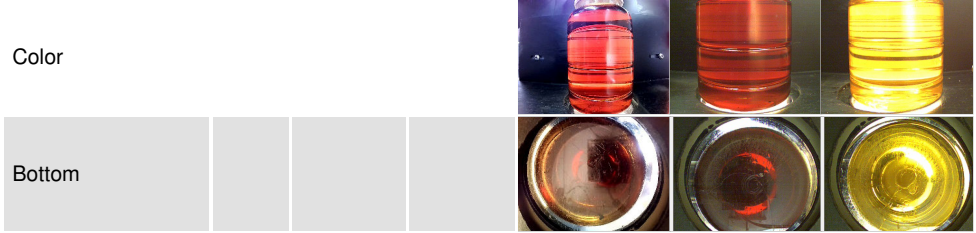
# OIL ANALYSIS REPORT



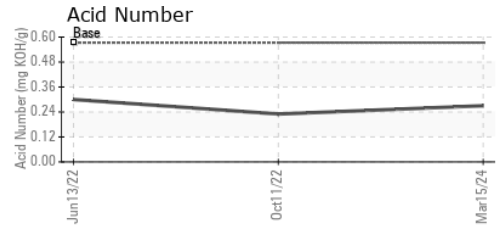
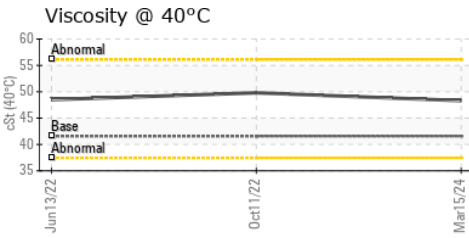
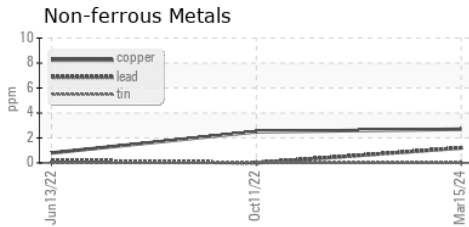
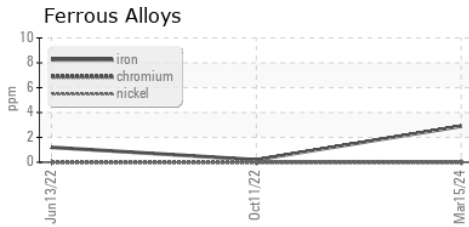
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>MODER</b>	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	41.57	<b>48.3</b>	49.8	48.5

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCP06218376      **Received** : 24 Jun 2024  
**Lab Number** : **06218376**      **Tested** : 25 Jun 2024  
**Unique Number** : 11096573      **Diagnosed** : 26 Jun 2024 - Don Baldrige  
**Test Package** : IND 2

**PATTONS INC - BIRMINGHAM**  
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 US 35124  
 Contact: MARK FLOYD  
 mark.floyd@pattonsincl.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)

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