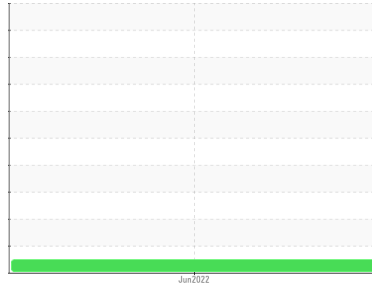




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
7839169 (S/N 1111)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) M-460 (--- QTS)

DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor.

Wear
 All component wear rates are normal.

Contamination
 The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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		KCP40501	---	---
Sample Date	Client Info		29 Jun 2022	---	---
Machine Age	hrs Client Info		2380	---	---
Oil Age	hrs Client Info		2380	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			NORMAL	---	---

WEAR METALS

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

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	0	0	---	---
Barium	ppm ASTM D5185m	90	11	---	---
Molybdenum	ppm ASTM D5185m	0	0	---	---
Manganese	ppm ASTM D5185m		0	---	---
Magnesium	ppm ASTM D5185m	100	79	---	---
Calcium	ppm ASTM D5185m	0	2	---	---
Phosphorus	ppm ASTM D5185m	0	<1	---	---
Zinc	ppm ASTM D5185m	0	1	---	---
Sulfur	ppm ASTM D5185m	23500	20994	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>25	<1	---	---
Sodium	ppm ASTM D5185m		14	---	---
Potassium	ppm ASTM D5185m	>20	14	---	---
Water	% ASTM D6304	>0.05	0.035	---	---
ppm Water	ppm ASTM D6304	>500	356.8	---	---

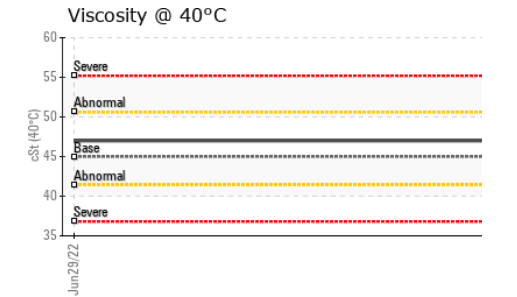
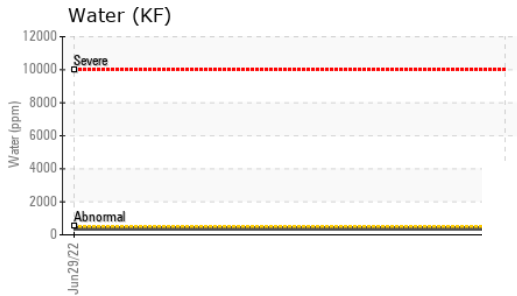
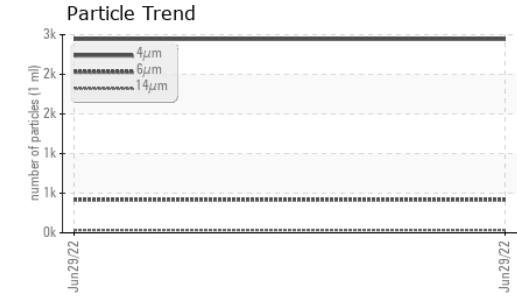
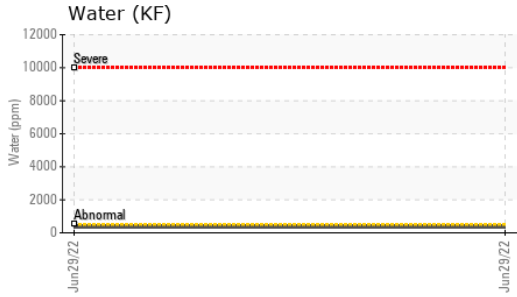
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		2444	---	---
Particles >6µm	ASTM D7647	>1300	418	---	---
Particles >14µm	ASTM D7647	>80	34	---	---
Particles >21µm	ASTM D7647	>20	10	---	---
Particles >38µm	ASTM D7647	>4	0	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	18/16/12	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	1.0	0.35	---	---

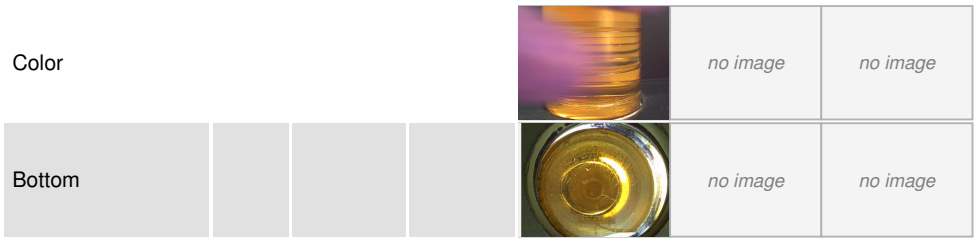
OIL ANALYSIS REPORT



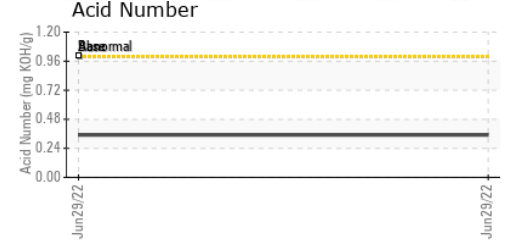
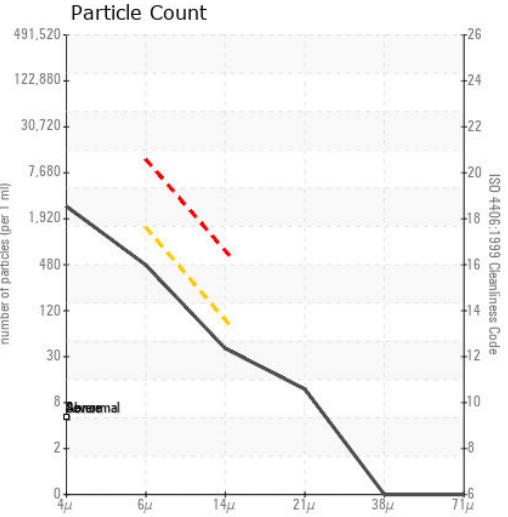
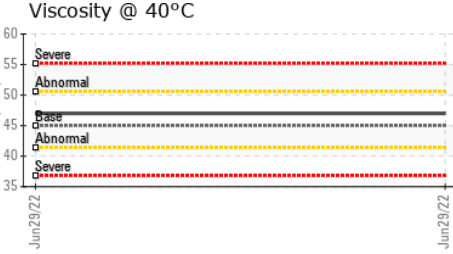
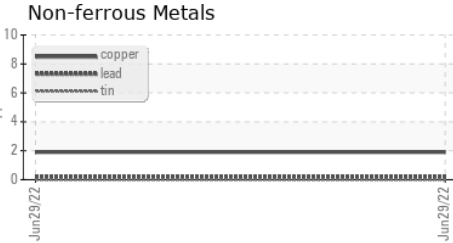
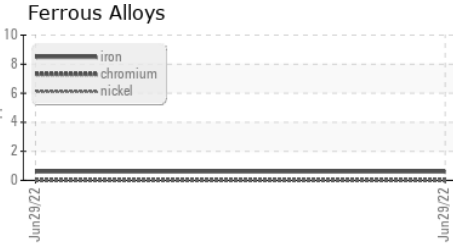
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	---	---
Yellow Metal	scalar	*Visual NONE	NONE	---	---
Precipitate	scalar	*Visual NONE	NONE	---	---
Silt	scalar	*Visual NONE	NONE	---	---
Debris	scalar	*Visual NONE	NONE	---	---
Sand/Dirt	scalar	*Visual NONE	NONE	---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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 45	47.0	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCP40501 **Received** : 05 Jul 2022
Lab Number : 05584221 **Diagnosed** : 07 Jul 2022
Unique Number : 10038647 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

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 US 30802
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 srrissee@amazon.com
 T:
 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)