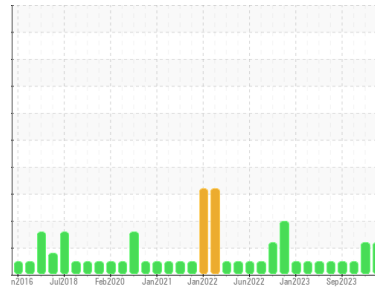




OIL ANALYSIS REPORT

Sample Rating Trend



DEGRADATION



Area

UTILITIES

Machine Id

CRW COMPRESSOR # 3 (3 - COURTYARD) (S/N 16-6200)

Component

Air Compressor

Fluid

QUINCY QUINSYN PG (55 GAL)

DIAGNOSIS

Recommendation

The oil is near the end of its useful service life, recommend schedule an oil change. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

Fluid Condition

The AN level is at the top-end of the recommended limit.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	RP0044252	RP0044047	RP0039187
Sample Date	Client Info	30 May 2024	23 May 2024	12 Jan 2024
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	ABNORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2	
PQ	ASTM D8184	18	13	17	
Iron	ppm	ASTM D5185m >50	5	6	7
Chromium	ppm	ASTM D5185m >4	<1	<1	0
Nickel	ppm	ASTM D5185m >4	0	<1	0
Titanium	ppm	ASTM D5185m	<1	<1	0
Silver	ppm	ASTM D5185m	0	1	0
Aluminum	ppm	ASTM D5185m >10	2	1	1
Lead	ppm	ASTM D5185m >20	<1	<1	0
Copper	ppm	ASTM D5185m >40	8	8	5
Tin	ppm	ASTM D5185m >5	<1	<1	0
Vanadium	ppm	ASTM D5185m	0	<1	0
Cadmium	ppm	ASTM D5185m	0	<1	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m	<1	<1	0
Molybdenum	ppm	ASTM D5185m	<1	<1	0
Manganese	ppm	ASTM D5185m	0	<1	0
Magnesium	ppm	ASTM D5185m	<1	<1	0
Calcium	ppm	ASTM D5185m	0	0	<1
Phosphorus	ppm	ASTM D5185m	103	96	128
Zinc	ppm	ASTM D5185m	10	16	1

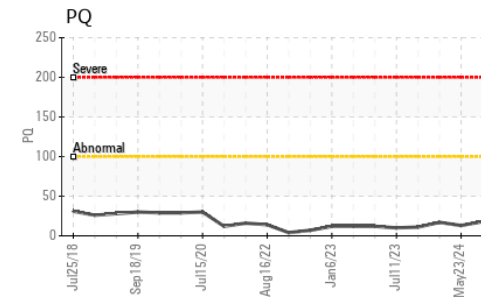
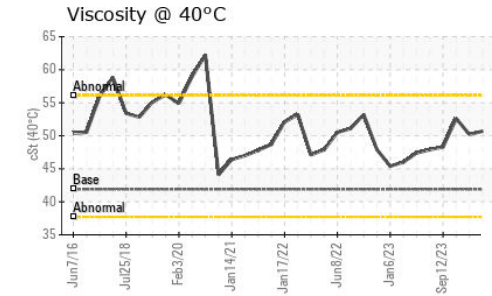
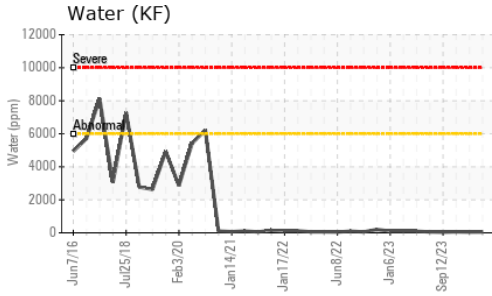
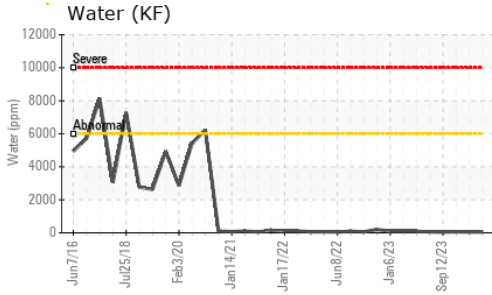
CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >25	1	2	<1
Sodium	ppm	ASTM D5185m	4	5	5
Potassium	ppm	ASTM D5185m >20	2	3	2
Water	%	ASTM D6304 >0.6	0.005	0.004	0.005
ppm Water	ppm	ASTM D6304 >6000	50	46	60

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	▲ 2.17	▲ 2.08	1.28

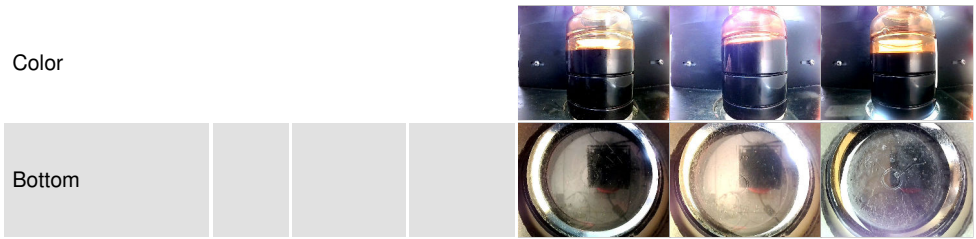
OIL ANALYSIS REPORT



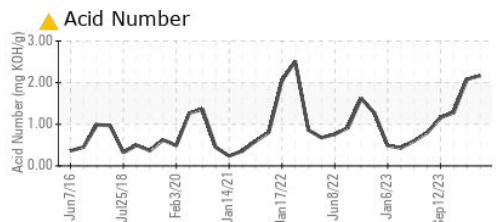
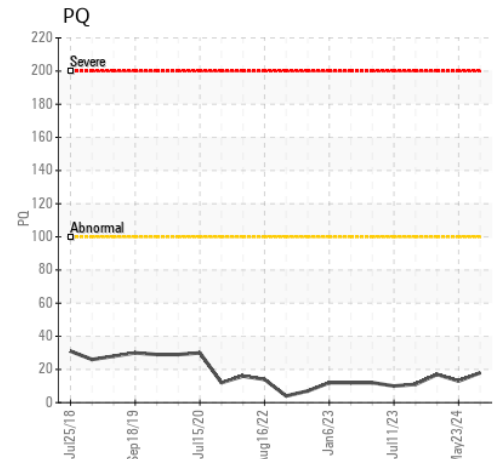
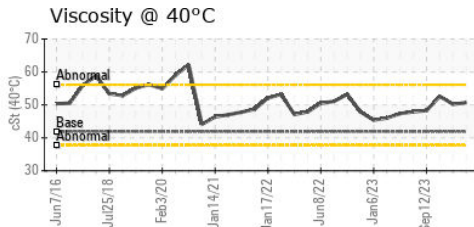
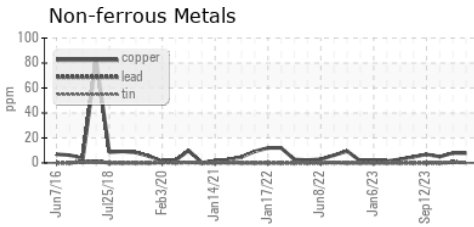
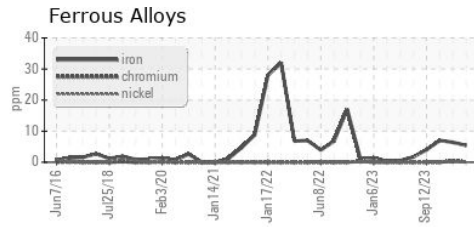
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.6	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	41.9	50.7	50.2

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0044252 **Received** : 31 May 2024
Lab Number : 06196758 **Tested** : 04 Jun 2024
Unique Number : 11058881 **Diagnosed** : 04 Jun 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: PQ)

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 CALVERT, AL 36513
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 F: x:

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)