



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**RESIN PLANT**

Machine Id

**1 AIR COMP (S/N 1042100628)**

Component

**Air Compressor**

Fluid

**COMPRESSOR OIL (PAO) ISO 46 (1 GAL)**

## 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			<b>WC0943766</b>	---	---
Sample Date	Client Info			<b>25 Jun 2024</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed	Client Info			<b>N/A</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		<b>19</b>	---	---
Iron	ppm	ASTM D5185m	>50	<b>0</b>	---	---
Chromium	ppm	ASTM D5185m	>4	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m	>3	<b>0</b>	---	---
Silver	ppm	ASTM D5185m	>2	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Lead	ppm	ASTM D5185m	>20	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>40	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	1	<b>0</b>	---	---
Barium	ppm	ASTM D5185m	1	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	1	<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m	1	<b>0</b>	---	---
Calcium	ppm	ASTM D5185m	1	<b>0</b>	---	---
Phosphorus	ppm	ASTM D5185m	800	<b>277</b>	---	---
Zinc	ppm	ASTM D5185m	20	<b>4</b>	---	---
Sulfur	ppm	ASTM D5185m	37	<b>363</b>	---	---

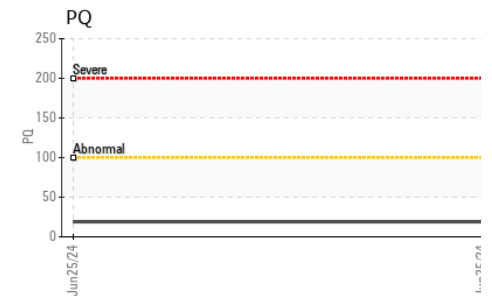
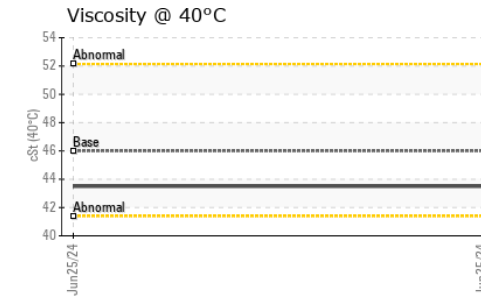
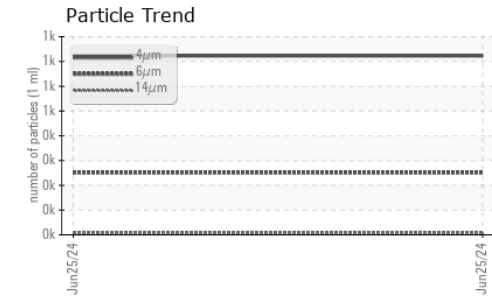
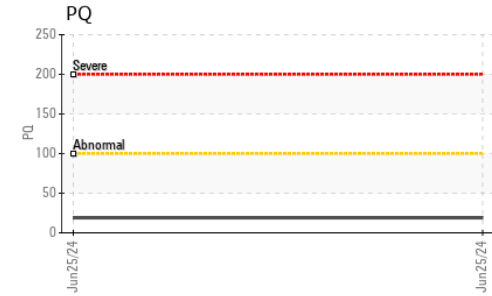
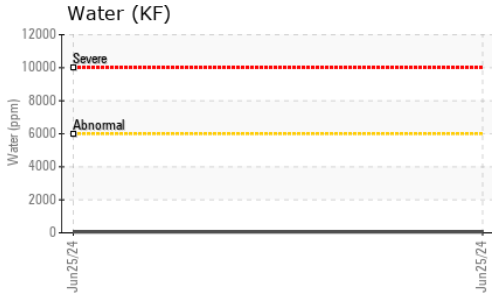
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>&lt;1</b>	---	---
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---	---
Water	%	ASTM D6304	>0.6	<b>0.005</b>	---	---
ppm Water	ppm	ASTM D6304	>6000	<b>55</b>	---	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		<b>723</b>	---	---
Particles >6µm		ASTM D7647	>1300	<b>251</b>	---	---
Particles >14µm		ASTM D7647	>80	<b>8</b>	---	---
Particles >21µm		ASTM D7647	>20	<b>2</b>	---	---
Particles >38µm		ASTM D7647	>4	<b>1</b>	---	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness		ISO 4406 (c)	>--/17/13	<b>17/15/10</b>	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.24	<b>0.57</b>	---	---



# 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	>0.6	NEG	---
Free Water	scalar	*Visual		NEG	---

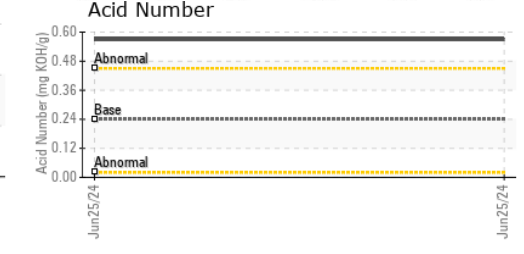
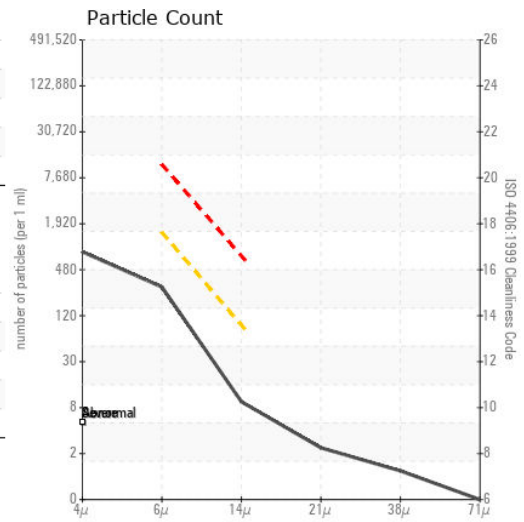
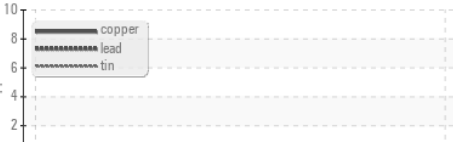
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	43.5	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color

Bottom

## GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : WC0943766  
 Lab Number : 06221182  
 Unique Number : 11099379  
 Test Package : PLANT

Received : 26 Jun 2024  
 Tested : 27 Jun 2024  
 Diagnosed : 27 Jun 2024 - Angela Borella

BAKELITE CHEMICALS - BEAVER CREEK  
 4113 W 4 MILE RD  
 GRAYLING, MI  
 US 49738

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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