



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**LN 23 (S/N C7263)**

Component  
**Vacuum Pump**

Fluid  
**BUSCH R530S (--- QTS)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

### 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>USP0000522</b>	---	---
Sample Date	Client Info	<b>20 Aug 2023</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
Iron ppm	ASTM D5185m >20	<b>0</b>	---	---
Chromium ppm	ASTM D5185m >20	<b>0</b>	---	---
Nickel ppm	ASTM D5185m >20	<b>0</b>	---	---
Titanium ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Silver ppm	ASTM D5185m	<b>0</b>	---	---
Aluminum ppm	ASTM D5185m >20	<b>0</b>	---	---
Lead ppm	ASTM D5185m >20	<b>0</b>	---	---
Copper ppm	ASTM D5185m >20	<b>0</b>	---	---
Tin ppm	ASTM D5185m >20	<b>0</b>	---	---
Vanadium ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Cadmium ppm	ASTM D5185m	<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m	<b>0</b>	---	---
Barium ppm	ASTM D5185m	<b>0</b>	---	---
Molybdenum ppm	ASTM D5185m	<b>0</b>	---	---
Manganese ppm	ASTM D5185m	<b>0</b>	---	---
Magnesium ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Calcium ppm	ASTM D5185m	<b>0</b>	---	---
Phosphorus ppm	ASTM D5185m	<b>0</b>	---	---
Zinc ppm	ASTM D5185m	<b>0</b>	---	---
Sulfur ppm	ASTM D5185m	<b>2690</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >15	<b>3</b>	---	---
Sodium ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Potassium ppm	ASTM D5185m >20	<b>0</b>	---	---
Water %	ASTM D6304	<b>0.001</b>	---	---
ppm Water ppm	ASTM D6304 >.1	<b>14.1</b>	---	---

## FLUID CLEANLINESS

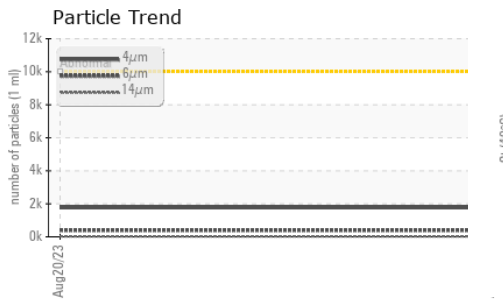
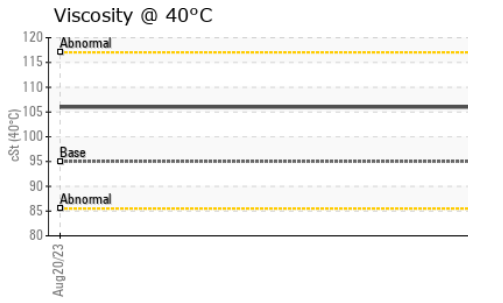
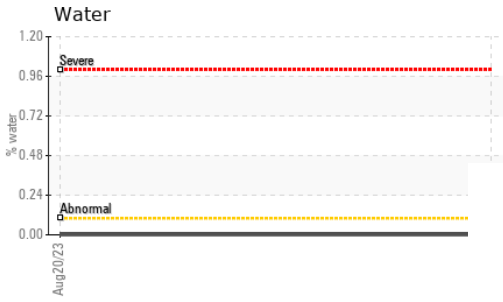
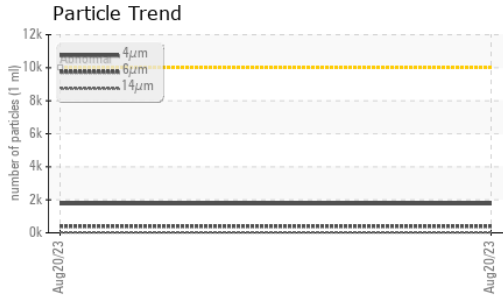
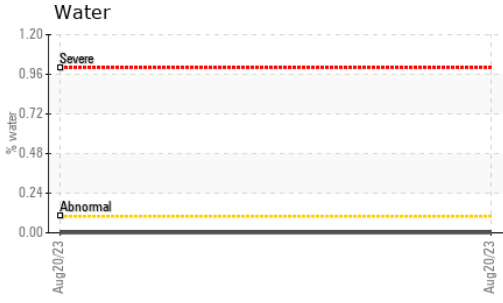
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	<b>1766</b>	---	---
Particles >6µm	ASTM D7647 >2500	<b>398</b>	---	---
Particles >14µm	ASTM D7647 >640	<b>27</b>	---	---
Particles >21µm	ASTM D7647 >160	<b>6</b>	---	---
Particles >38µm	ASTM D7647 >40	<b>0</b>	---	---
Particles >71µm	ASTM D7647 >10	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c) >20/18/16	<b>18/16/12</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045	<b>0.07</b>	---	---



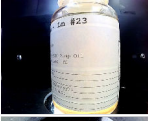

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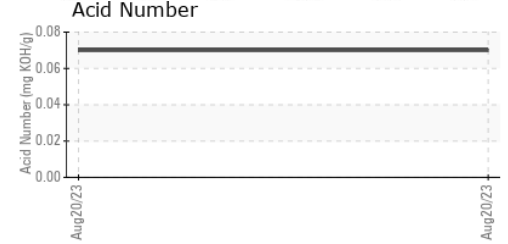
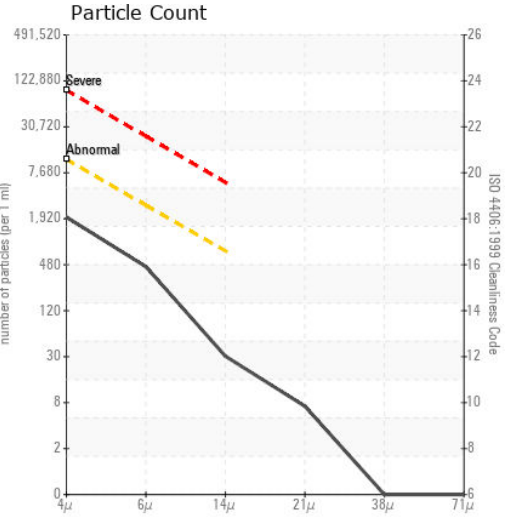
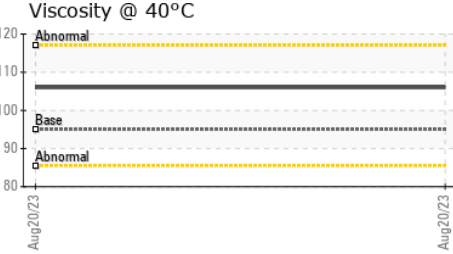
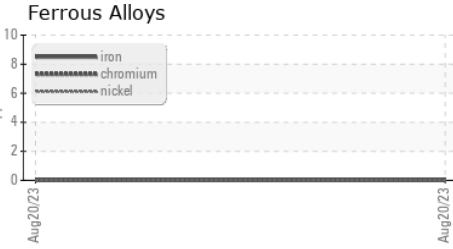
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	95.0	106	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color					no image	no image
Bottom					no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : USP0000522 **Received** : 21 Aug 2023  
**Lab Number** : 05929629 **Diagnosed** : 22 Aug 2023  
**Unique Number** : 10609576 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2

**KraftHeinz - Garland - Plant 8346**  
 2340 FOREST LANE  
 GARLAND, TX  
 US 75042  
 Contact: RICK THOMPSON  
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 T: (214)477-1515  
 F: (972)485-6874

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)