



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**79-PC-24 (S/N 602)**  
 Component  
**Hydraulic System**  
 Fluid  
**Skydrol (--- LTR)**

## 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. Chlorine 191 ppm.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0938111</b>	---	---
Sample Date	Client Info		<b>08 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
Iron	ppm	ASTM D5185m >20	<b>0</b>	---	---
Chromium	ppm	ASTM D5185m >20	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m >20	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m	<b>0</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>2</b>	---	---
Tin	ppm	ASTM D5185m >20	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m	<b>2</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>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m	<b>1</b>	---	---
Calcium	ppm	ASTM D5185m 110	<b>1</b>	---	---
Phosphorus	ppm	ASTM D5185m 37	<b>26484</b>	---	---
Zinc	ppm	ASTM D5185m	<b>5</b>	---	---
Sulfur	ppm	ASTM D5185m 220	<b>2058</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<b>&lt;1</b>	---	---
Sodium	ppm	ASTM D5185m	<b>3</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>20</b>	---	---
Chlorine Content	ppm	ASTM D5185m	<b>191</b>	---	---
Water	%	ASTM D6304 >0.750	<b>NEG</b>	---	---

## FLUID CLEANLINESS

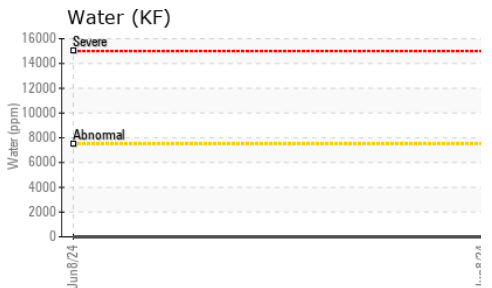
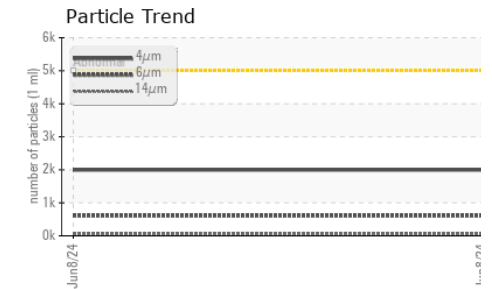
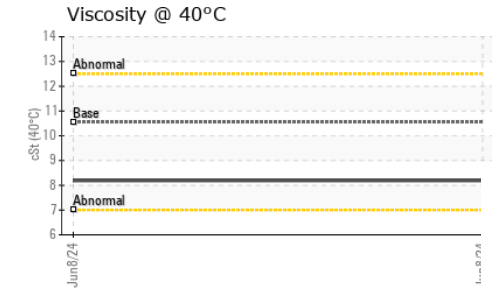
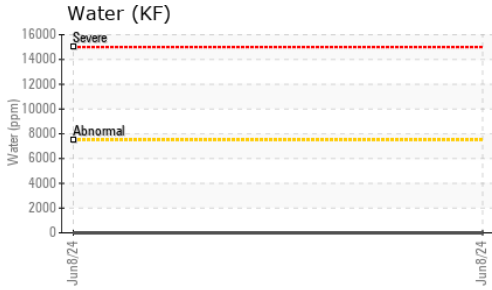
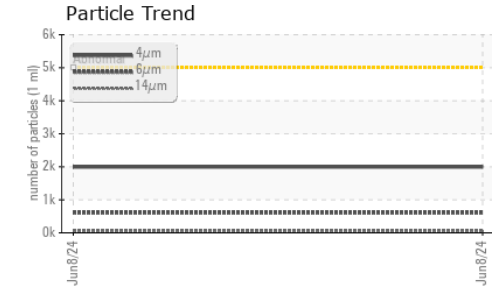
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	<b>1994</b>	---	---
Particles >6µm	ASTM D7647	>1300	<b>608</b>	---	---
Particles >14µm	ASTM D7647	>160	<b>59</b>	---	---
Particles >21µm	ASTM D7647	>40	<b>13</b>	---	---
Particles >38µm	ASTM D7647	>10	<b>1</b>	---	---
Particles >71µm	ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>18/16/13</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.04	<b>0.236</b>	---	---



# OIL ANALYSIS REPORT



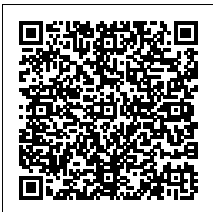
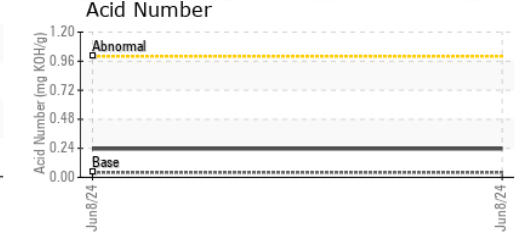
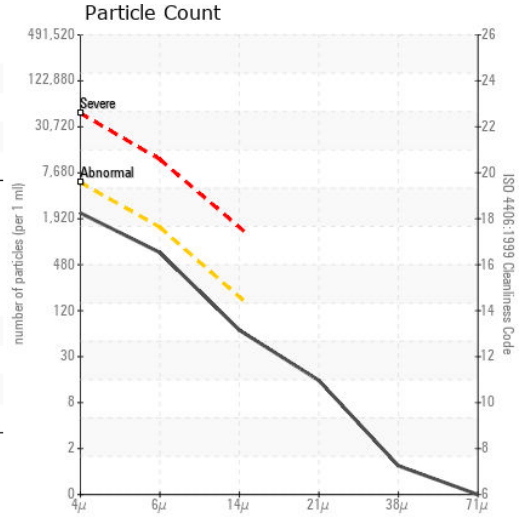
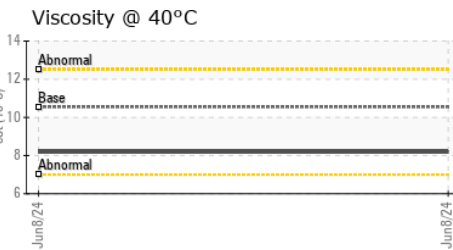
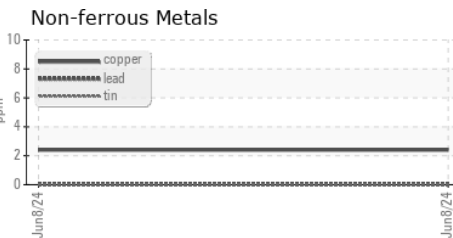
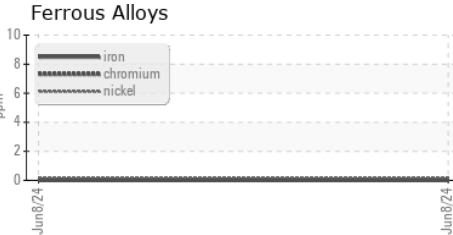
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.750	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	10.55	8.19	---

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0938111 **Received** : 13 Jun 2024  
**Lab Number** : 06209090 **Tested** : 19 Jun 2024  
**Unique Number** : 11076551 **Diagnosed** : 19 Jun 2024 - Jonathan Hester  
**Test Package** : PLANT ( Additional Tests: CHLORINEXRF )

**WOODWARD**  
 25200 W RYE CANYON RD  
 SANTA CLARITA, CA  
 US 91355  
 Contact: REYNARD GOLDMAN  
 reynard.goldman@woodward.com  
 T: (661)702-5991  
 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)