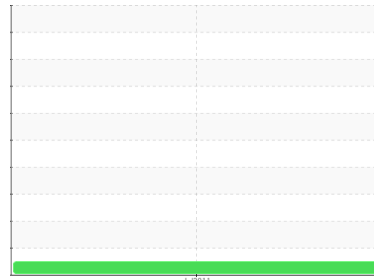


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**E3**  
 Component  
**Hydraulic System**  
 Fluid  
**{not provided} (--- 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 is acceptable. There is no indication of any contamination in the component.

**Fluid Condition**  
 The condition of oil is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>ST11400</b>	---	---
Sample Date	Client Info		<b>01 Jul 2011</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		<b>&lt;1</b>	---	---
Chromium	ppm ASTM D5185m		<b>0</b>	---	---
Nickel	ppm ASTM D5185m		<b>0</b>	---	---
Titanium	ppm ASTM D5185m		<b>0</b>	---	---
Silver	ppm ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm ASTM D5185m		<b>0</b>	---	---
Lead	ppm ASTM D5185m		<b>&lt;1</b>	---	---
Copper	ppm ASTM D5185m		<b>2</b>	---	---
Tin	ppm ASTM D5185m		<b>0</b>	---	---
Antimony	ppm ASTM D5185m		<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		<b>&lt;1</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>0</b>	---	---
Calcium	ppm ASTM D5185m		<b>52</b>	---	---
Phosphorus	ppm ASTM D5185m		<b>346</b>	---	---
Zinc	ppm ASTM D5185m		<b>428</b>	---	---
Sulfur	ppm ASTM D5185m		<b>1454</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m		<b>&lt;1</b>	---	---
Sodium	ppm ASTM D5185m		<b>&lt;1</b>	---	---
Potassium	ppm ASTM D5185m		<b>0</b>	---	---
Water	% ASTM D6304		<b>0.003</b>	---	---
ppm Water	ppm ASTM D6304		<b>30</b>	---	---

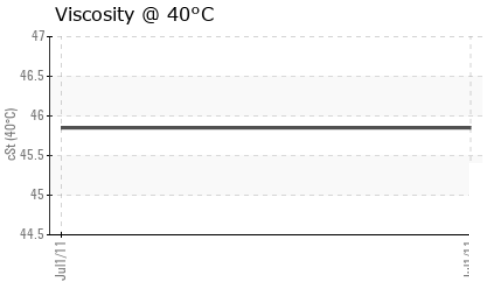
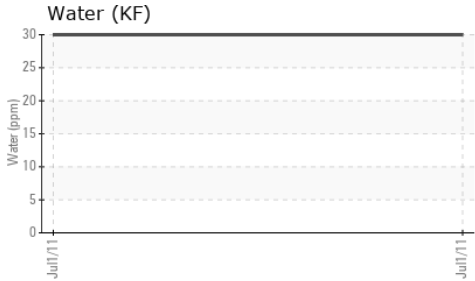
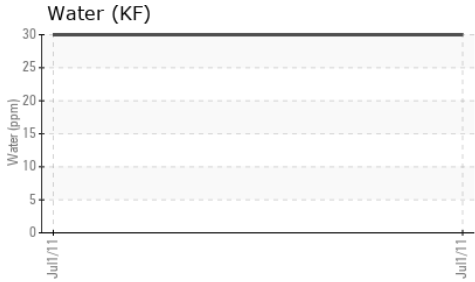
## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		<b>186</b>	---	---
Particles >6µm	ASTM D7647		<b>101</b>	---	---
Particles >14µm	ASTM D7647		<b>17</b>	---	---
Particles >21µm	ASTM D7647		<b>5</b>	---	---
Particles >38µm	ASTM D7647		<b>0</b>	---	---
Particles >71µm	ASTM D7647		<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c)		<b>15/14/11</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045		<b>0.641</b>	---	---

# OIL ANALYSIS REPORT

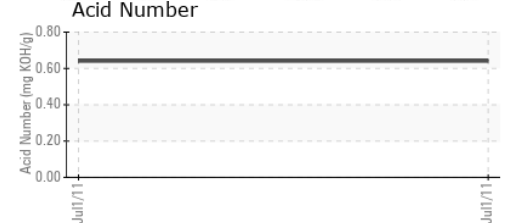
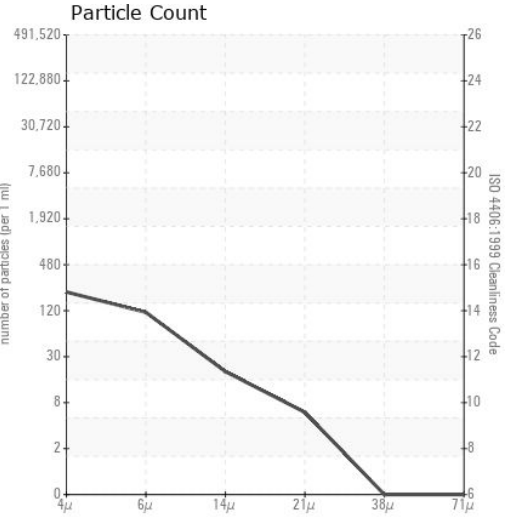
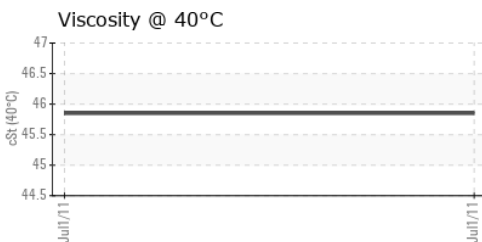
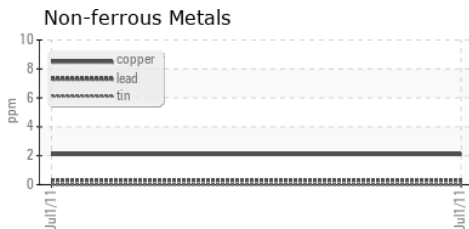
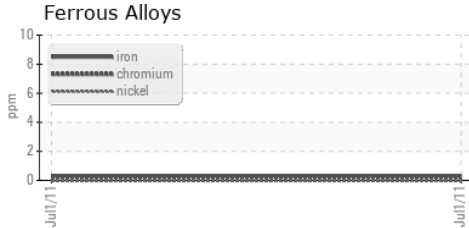


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	VLITE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	45.85	---	---

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

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ST11400      **Received** : 20 Jul 2011  
**Lab Number** : 02892511      **Tested** : 22 Jul 2011  
**Unique Number** : 5624035      **Diagnosed** : 23 Jul 2011 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF )

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 F: (401)726-8620

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)