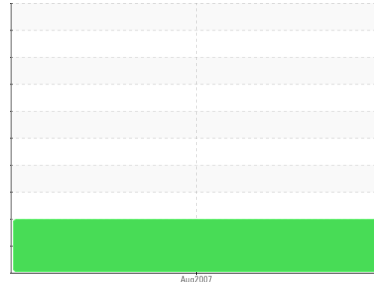




OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Machine Id
046237 SHROADER TEST BENCH

Component
Hydraulic System

Fluid
ROYAL ROYCO 717 (106 GAL)

DIAGNOSIS

▲ Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

Elemental level of silicon (Si) above normal. The amount and size of particulates present in the system is acceptable. NAS 1638 class 6.

▲ Fluid Condition

The condition of oil is suitable for further service.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		WCI2075002	---	---
Sample Date	Client Info		14 Aug 2007	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	<1	---	---
Chromium	ppm	ASTM D5185m	0	---	---
Nickel	ppm	ASTM D5185m	<1	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m	0	---	---
Lead	ppm	ASTM D5185m	0	---	---
Copper	ppm	ASTM D5185m	0	---	---
Tin	ppm	ASTM D5185m	0	---	---
Antimony	ppm	ASTM D5185m	0	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	<1	---	---

ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	---	---
Barium	ppm	ASTM D5185m	<1	---	---
Molybdenum	ppm	ASTM D5185m	0	---	---
Manganese	ppm	ASTM D5185m	0	---	---
Magnesium	ppm	ASTM D5185m	0	---	---
Calcium	ppm	ASTM D5185m	1	---	---
Phosphorus	ppm	ASTM D5185m	722	---	---
Zinc	ppm	ASTM D5185m	<1	---	---
Sulfur	ppm	ASTM D5185m	172	---	---

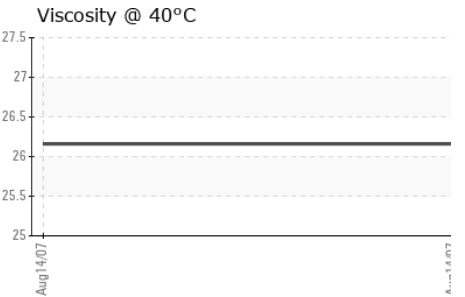
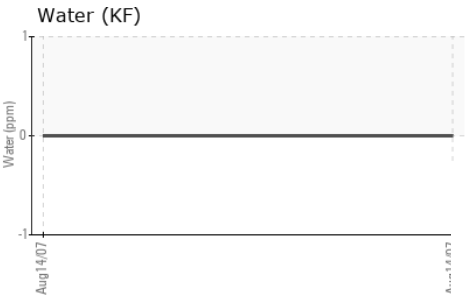
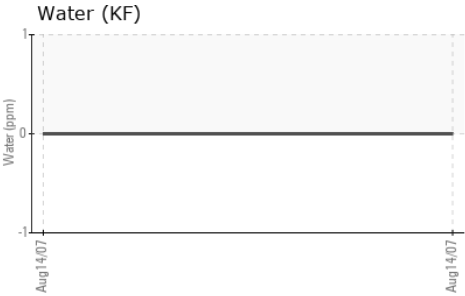
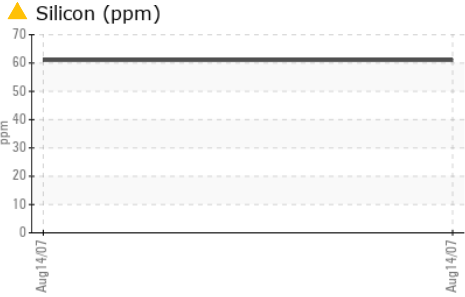
CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	▲ 61	---	---
Sodium	ppm	ASTM D5185m	2	---	---
Potassium	ppm	ASTM D5185m	0	---	---
Water	%	ASTM D6304	0.009	---	---

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		2761	---	---
Particles >6µm	ASTM D7647		510	---	---
Particles >14µm	ASTM D7647		29	---	---
Particles >21µm	ASTM D7647		13	---	---
Particles >38µm	ASTM D7647		3	---	---
Particles >71µm	ASTM D7647		1	---	---
Oil Cleanliness	ISO 4406 (c)		19/16/12	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.063	---	---



OIL ANALYSIS REPORT



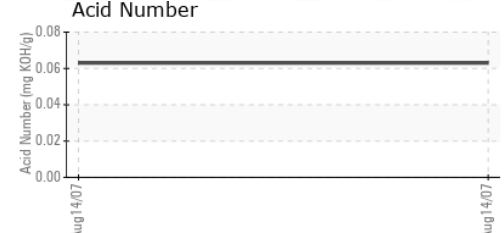
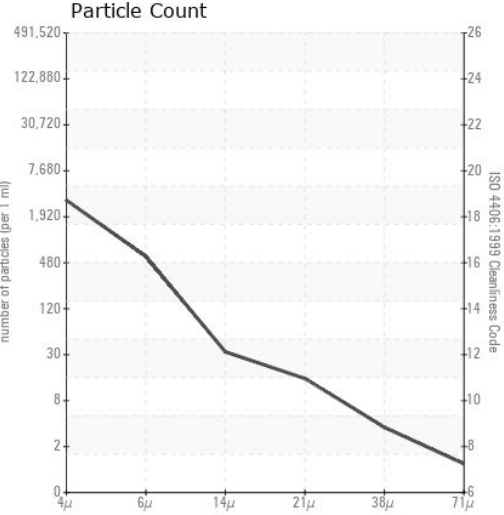
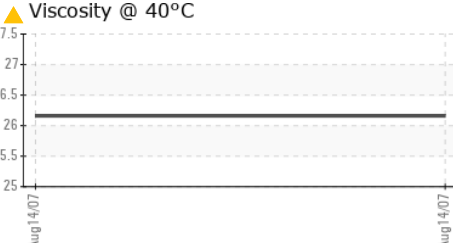
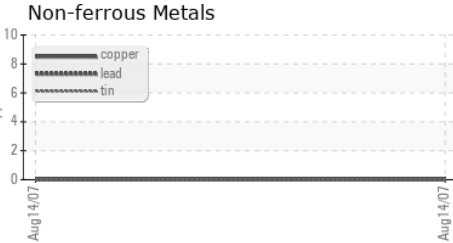
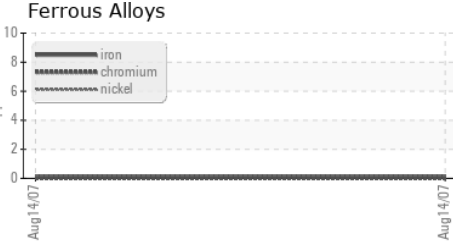
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	▲ 26.16	---	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC12075002 **Received** : 14 Aug 2007
Lab Number : 02010141 **Tested** : 16 Aug 2007
Unique Number : 4188894 **Diagnosed** : 16 Aug 2007 - Doug Bogart
Test Package : IND 2 (Additional Tests: KF)

BAE SYSTEMS
 163 ROCHESTER DR
 LOUISVILLE, KY
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 ken.mahoney@baesystems.com
 T: (502)364-6439
 F: (502)364-5973

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)