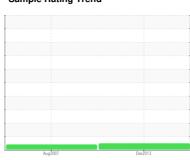


## **OIL ANALYSIS REPORT**

#### Sample Rating Trend



NORMAL



# 000034 PANCAKE PUMP

Component

Hydraulic System

**CASTROL BRAYCO 717 (107 GAL)** 

#### 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 component.

### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

			Aug2007	Dec2013		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WCI2218749	WC02010148	
Sample Date		Client Info		05 Dec 2013	14 Aug 2007	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	<1	
Chromium	ppm	ASTM D5185m	>20	0	0	
Nickel	ppm	ASTM D5185m	>20	<1	<1	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>20	0	<1	
Lead	ppm	ASTM D5185m	>20	0	0	
Copper	ppm		>20	<1	<1	
Tin	ppm	ASTM D5185m	>20	0	0	
Antimony	ppm	ASTM D5185m	720	0	0	
Vanadium		ASTM D5185m		0	0	
Cadmium	ppm			0	0	
	ppm	ASTM D5185m		U	U	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	0	
Barium	ppm	ASTM D5185m		0	<1	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		0	<1	
Calcium	ppm	ASTM D5185m		0	<1	
Phosphorus	ppm	ASTM D5185m		850	736	
Zinc	ppm	ASTM D5185m		0	<1	
Sulfur	ppm	ASTM D5185m		82	157	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	4	<b>▲</b> 34	
Sodium	ppm	ASTM D5185m		0	2	
Potassium	ppm	ASTM D5185m	>20	1	0	
Water	%	ASTM D6304	>0.05	0.023	0.008	
ppm Water	ppm	ASTM D6304	>500	230		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	51	12928	
Particles >6µm		ASTM D7647	>1300	27	<b>▲</b> 4537	
Particles >14µm		ASTM D7647	>160	4	53	
Particles >21µm		ASTM D7647	>40	1	13	
Particles >38µm		ASTM D7647	>10	0	2	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	13/12/9	<u>△</u> 21/19/13	
FLUID DEGRADA	ATION_	method	limit/base	current	history1	history2

Acid Number (AN)

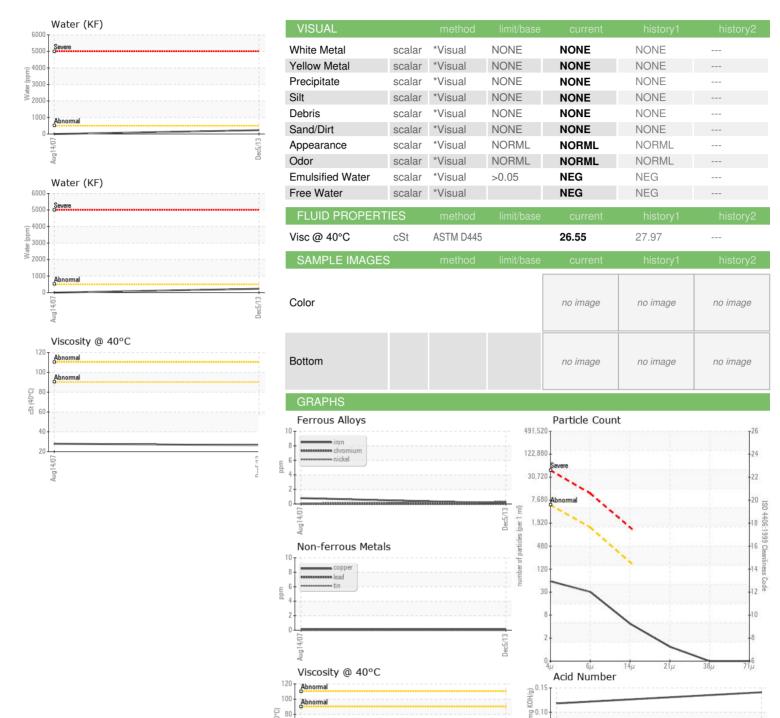
mg KOH/g ASTM D8045

0.118

Contact/Location: KEN MAHONEY - BAELOU



## **OIL ANALYSIS REPORT**







Laboratory Sample No. Lab Number Unique Number : 6462006

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WCI2218749

충 60

20

: 03409224

Received : 05 Dec 2013 **Tested** : 06 Dec 2013

: 06 Dec 2013 - Don Baldridge Diagnosed

Acid

**BAE SYSTEMS** 163 ROCHESTER DR LOUISVILLE, KY US 40214

Contact: KEN MAHONEY ken.mahoney@baesystems.com

Contact/Location: KEN MAHONEY - BAELOU

T: (502)364-6439 F: (502)364-5973

Test Package : IND 2 ( Additional Tests: KF ) Certificate L2367 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)