

OIL ANALYSIS REPORT

Sample Rating Trend

DIRT

046237 SHROADER TEST BENCH

Component

Hydraulic System

CASTROL BRAYCO 717 (106 GAL)



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

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.

Fluid Condition

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

			Aug2007	Dec2013		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WCI2218755	WCI2075002	
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				ABNORMAL	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		>20	0	0	
Lead	ppm	ASTM D5185m	>20	0	0	
Copper		ASTM D5185m		<1	0	
Copper Tin	ppm	ASTM D5185m	>20	0	0	
	ppm		>20	0	0	
Antimony	ppm	ASTM D5185m		-		
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		<1	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	<1	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		0	0	
Calcium	ppm	ASTM D5185m		26	1	
Phosphorus	ppm	ASTM D5185m		918	722	
Zinc	ppm	ASTM D5185m		6	<1	
Sulfur	ppm	ASTM D5185m		154	172	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	4 34	△ 61	
Sodium	ppm	ASTM D5185m		2	2	
Potassium	ppm	ASTM D5185m	>20	3	0	
Water	%	ASTM D6304	>0.05	0.008	0.009	
ppm Water	ppm	ASTM D6304	>500	80		
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	102	2761	
Particles >6µm		ASTM D7647	>1300	55	510	
Particles >14µm		ASTM D7647	>160	9	29	
Particles >21µm		ASTM D7647	>40	3	13	
Particles >38µm		ASTM D7647	>10	0	3	
Particles >71µm		ASTM D7647	>3	0	1	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	14/13/10	19/16/12	
FLUID DEGRADAT	TION	method	limit/base	current	history1	history2

0.063



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Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 6462009

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

: WCI2218755 : 03409227

Received **Tested** Diagnosed Test Package : IND 2 (Additional Tests: KF)

: 05 Dec 2013 : 06 Dec 2013 : 06 Dec 2013 - Don Baldridge

BAE SYSTEMS 163 ROCHESTER DR LOUISVILLE, KY US 40214

Contact: KEN MAHONEY ken.mahoney@baesystems.com

T: (502)364-6439

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) F: (502)364-5973 Contact/Location: KEN MAHONEY - BAELOU