

OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **000018** Component Hydraulic System Fluid CASTROL BRAYCO 717 (--- 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.

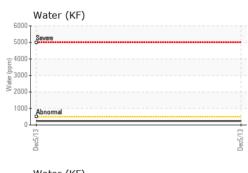
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WCI2218756		
Sample Date		Client Info		05 Dec 2013		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	<1		
Tin	ppm	ASTM D5185m	>20	0		
Antimony	ppm	ASTM D5185m		0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		923		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		102		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	18		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	4		
Water	%	ASTM D6304	>0.05	0.024		
ppm Water	ppm	ASTM D6304	>500	240		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	333		
Particles >6µm		ASTM D7647	>1300	181		
Particles >14µm		ASTM D7647	>160	30		
Particles >21µm		ASTM D7647	>40	10		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/15/12		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

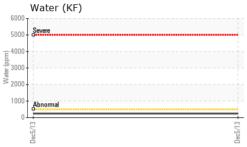
Report Id: BAELOU [WUSCAR] 03409232 (Generated: 02/09/2024 10:38:22) Rev: 1

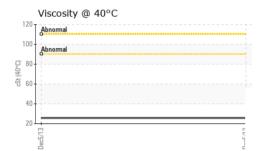
Contact/Location: KEN MAHONEY - BAELOU



OIL ANALYSIS REPORT







	VISUAL		method				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		
Dec5/13	Appearance	scalar	*Visual	NORML	NORML		
De	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.05	NEG		
	Free Water	scalar	*Visual		NEG		
	FLUID PROPERT	IES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445		25.67		
	SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Dec5/13 -	Color				no image	no image	no image
D							
	Bottom				no image	no image	no image
	GRAPHS Ferrous Alloys				Particle Coun	+	
	¹⁰ T			491,520		L	T ²⁶
	8 - iron			122 000			
C M 3	o assessment chromium			122,880	Severe		-24
nr. Ho	o T			122,880 30,720	Severe		
n	o assessment chromium			30,720	Severe		-22
n	6 4 2			30,720	Severe		-22
0 E U U U	o assessment chromium			30,720	Severe Abnormal	•	-22
- 	e e e e e e e e e e e e e e e e e e e	5		30,720	Severe Abnormal	•	-22
n	Non-ferrous Metals	5		30,720	Abnormal		-22
	Non-ferrous Metals	5		30,720	Abnormal		-22 -20 -18 -16
	Non-ferrous Metals	5		30,720 7,680 ELU5390 (The 1,920 spote dynamic	Abnormal	•	-22 -20 -18 -16
2 - - - - -	Non-ferrous Metals	5		30,720 7,680 ELU(53-90 1,920 480 1,920 480 1,920 1,920 480 1,920 1	Abnormal		-22 -20 -18 -16 -14 -14
e e u u u	Non-ferrous Metals	5		30,720 7,680 ELU(53-90 1,920 480 1,920 480 1,920 1,920 480 1,920 1	Abnormal		-22 -20 -18 -16 -14 -14
- L	Non-ferrous Metals	5		30,720 7,680 ELU2320 300 300 300 300 800 480 480 300 300 800 480 300 800 800 800 800 800 800 800 800 8	Abnormal		-22 -20 -18 -16 -14 -14
- L	Non-ferrous Metals	5		30,720 7,680 ELU(53-90 1,920 480 1,920 480 1,920 1,920 480 1,920 1	Abnormal		-22 -20 -18 -16 -14 -14 -12 -10 -8 -8
2 	Non-ferrous Metals	5		30,720 7,680 ELU2320 300 300 300 300 800 480 480 300 300 800 480 300 800 800 800 800 800 800 800 800 8	Abnormal	14µ 21µ	-22 -20 -18 -16 -14 -14
r r r	Non-ferrous Metals	5		30,720 7,680 (FU) 200 200 200 200 200 200 200 200 200 20	Abnormal	14μ 21μ	-22 -20 -18 -16 -14 -14 -12 -10 -8 -8
e e u u u	Non-ferrous Metals	5		30,720 7,680 (FU) 200 200 200 200 200 200 200 200 200 20	Abnormal	14μ 21μ	-22 -24 -18 -18 -14 -14 -14 -12 -10 -8 -8
e e u u	Non-ferrous Metals	5		30,720 7,680 (FL) 200 200 200 200 200 200 200 200 200 20	Abnormal	14μ 21μ	-22 -24 -18 -18 -14 -14 -14 -12 -10 -8 -8
	Non-ferrous Metals	5		30,720 7,680 (FL) 200 200 200 200 200 200 200 200 200 20	Abnormal	14µ 21µ	-22 -20 -18 -16 -14 -14 -12 -10 -8 -8
Line and	Non-ferrous Metals	5		30,720 7,680 FL/Gaa and and and and and and and and and a	Abnormal	14μ 21μ	-22 -20 -18 -16 -14 -14 -12 -10 -8 -8
Ling and the second	Non-ferrous Metals	5		30,720 7,680 (Full table) (Full	Abnormal Abnormal Acid Number	14μ 21μ	-22
	Non-ferrous Metals	5		30,720 7,680 FL/Gaa and and and and and and and and and a	Abnormal	14μ 21μ	-24 -22 -20 -18 -16 -14 -12 -10 -8 -38μ 71μ
Laboratory	Non-ferrous Metals		n Ave., Carv	30,720 7,680 11,920 11,920 30 11,920 30 120 30 30 30 30 30 30 30 30 30 30 30 30 30	Abnormal Abnormal Acid Number		-22
Laboratory Sample No.	Non-ferrous Metals		ved : 05	30,720 7,680 7,090 7,0000 7,000 7,000 7,000 7,00	Abnormal Abnormal Acid Number	E	-22
Sample No. Lab Number	Non-ferrous Metals	1 Madiso Recei Teste	ved : 05 d : 06	30,720 7,680 7,090 7,000	Abnormal Acid Number	E 163 RC	222 -20 -18 -14 -14 -12 -00 -8 -38µ 71µ
Sample No. Lab Number Unique Number	Non-ferrous Metals	1 Madiso Recei Teste Diagn	ved : 05 d : 06	30,720 7,680 7,090 7,0000 7,000 7,000 7,000 7,00	Abnormal Acid Number	E 163 RC LC	22 18 16 16 16 16 16 16 16 16 16 16

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: KEN MAHONEY - BAELOU

F: (502)364-5973