

OIL ANALYSIS REPORT

Sample Rating Trend

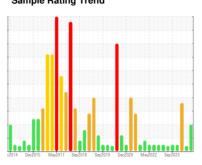
WATER



BOLDT BLENDER B32407 Curing SOUTH BOLDT VACUUM Blender

Hydraulic System

HYDRAULIC OIL FG ISO 46 (--- GAL)





DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil. Free water present.

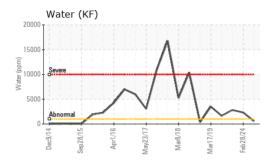
Fluid Condition

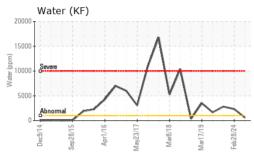
The AN level is acceptable for this fluid.

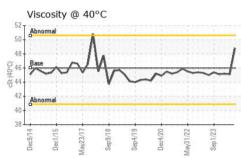
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0921299	WC0921279	WC0894958
Sample Date		Client Info		29 May 2024	29 May 2024	28 Feb 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2	<1	0
Chromium	ppm	ASTM D5185m	>10	- <1	<1	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m	710	<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	4	0
Lead		ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>75	<1	0	0
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m	>10	0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
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ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	<1	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	5	<1	<1	0
Calcium	ppm	ASTM D5185m	12	33	2	0
Phosphorus	ppm	ASTM D5185m	400	365	202	400
Zinc	ppm	ASTM D5185m	12	0	21	0
Sulfur	ppm	ASTM D5185m	650	643	238	457
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	6	3	3
Sodium	ppm	ASTM D5185m		0	4	4
Potassium	ppm	ASTM D5185m	>20	1	2	0
Water	%	ASTM D6304	>0.1	0.057		△ 0.233
ppm Water	ppm	ASTM D6304	>1000	570		▲ 2330
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000			1836
Particles >6µm		ASTM D7647	>1300			1000
Particles >14µm		ASTM D7647	>160			170
Particles >21µm		ASTM D7647	>40			57
Particles >38µm		ASTM D7647	>10			9
Particles >71μm		ASTM D7647	>3			1
Oil Cleanliness		ISO 4406 (c)	>20/17/14			1 8/17/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.50	0.30	0.20	0.13
(, 114)		500 70	3.00		00	JJ



OIL ANALYSIS REPORT







VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	▲ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	HAZY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG	0.2%
Free Water	scalar	*Visual		<u> </u>	NEG	NEG
ELLID DDODED	TITO	mathad	limit/booo	OLUMNO 10 t	hiotomut	biotom/0

FLUID PROPER	TIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	46	48.8	45.1	45.2	

SAMPLE IMAGES	method	limit/base	current	history1	history2
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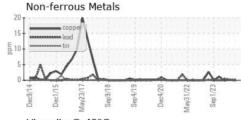
Color

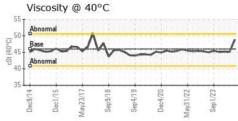


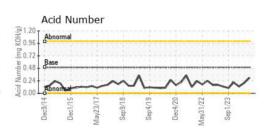


GRAPHS

Ferrous Alloys











Certificate 12367

Laboratory Sample No.

Lab Number : 06207746

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0921299

Received **Tested** Unique Number : 11075207

: 12 Jun 2024 : 14 Jun 2024

Diagnosed : 14 Jun 2024 - Don Baldridge Test Package : IND 2 (Additional Tests: KF)

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.

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: ROCROCUS [WUSCAR] 06207746 (Generated: 06/14/2024 12:14:14) Rev: 1

Contact/Location: JAMES ROBINSON III - ROCROCUS

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T:

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