

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

BMRC ULTRA SONIC Component Hydraulic System

ROZEP 68 (20 GAL)

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

Fluid Condition

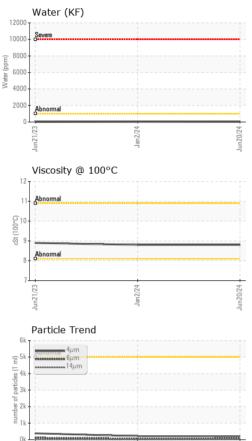
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60002534	TO60001355	TO60000917
Sample Date		Client Info		20 Jun 2024	02 Jan 2024	21 Jun 2023
Machine Age	yrs	Client Info		20	20	20
Oil Age	yrs	Client Info		3	2	1
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	2	0
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	2	0
Lead	ppm	ASTM D5185m	>10	0	1	<1
Copper	ppm	ASTM D5185m	>75	2	3	2
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	1	0
Barium	ppm	ASTM D5185m		0	8	<1
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		1	2	7
Calcium	ppm	ASTM D5185m		118	61	54
Phosphorus	ppm	ASTM D5185m		404	445	386
Zinc	ppm	ASTM D5185m		474	519	466
Sulfur	ppm	ASTM D5185m		1833	3466	1755
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1	2	1
Sodium	ppm	ASTM D5185m		1	0	1
Potassium	ppm	ASTM D5185m	>20	0	<1	1
Water	%	ASTM D6304	>0.1	0.001	0.002	0.001
ppm Water	ppm	ASTM D6304	>1000	4	22	2.6
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	200	213	383
Particles >6µm		ASTM D7647	>1300	76	55	112
Particles >14µm		ASTM D7647	>160	10	4	10
Particles >21µm		ASTM D7647		3	2	2
Particles >38µm		ASTM D7647		0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	15/13/10	15/13/9	16/14/10
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.30	0.32	0.29

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Viscosity @ 100°C

Viscosity @ 40°C

cSt (100°C)

8

7

cSt (40°C)

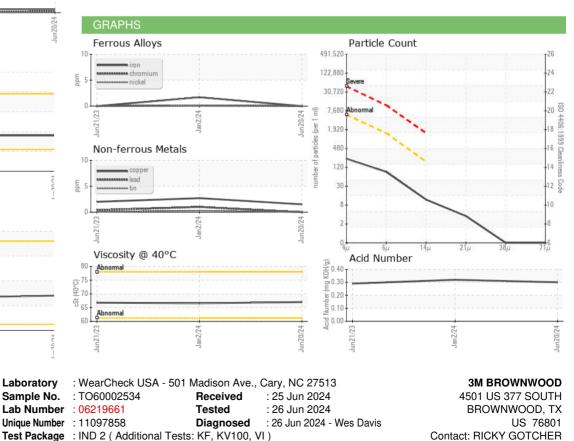
65

60

Abnormal



Bottom



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)

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Certificate 12367

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