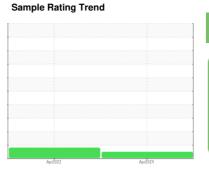


OIL ANALYSIS REPORT

REEL ROOM MARATHON MARATHON BALER 2

Hydraulic System

TULCO LUBSOIL SUPER HYDRAULIC AW 68 (360 GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

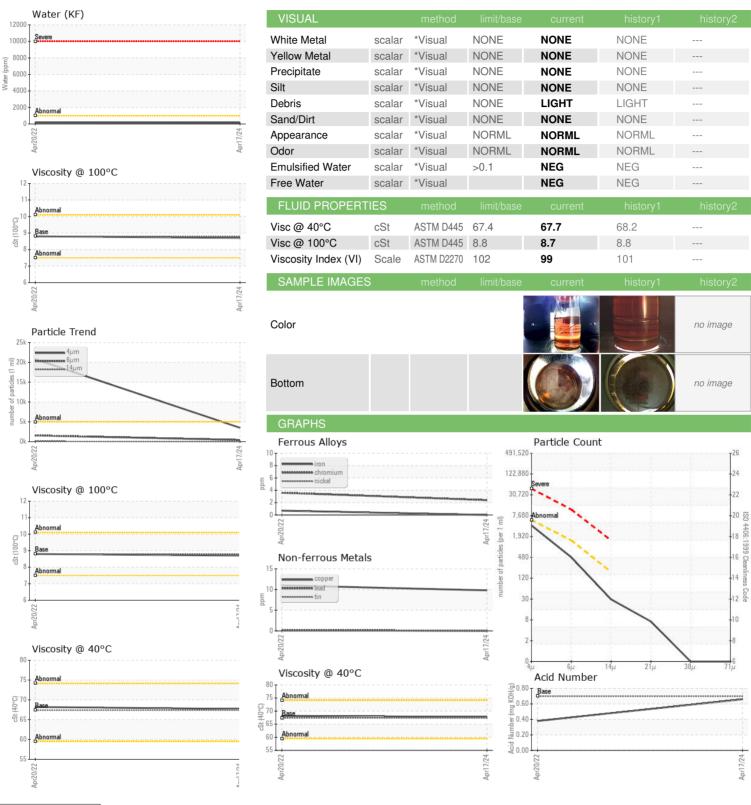
Fluid Condition

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

00 (000 GAL)						
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50000783	TO5000387	
Sample Date		Client Info		17 Apr 2024	20 Apr 2022	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	Not Changd	
Sample Status				NORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	<1	
Chromium	ppm	ASTM D5185m	>10	2	4	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m	>10	0	<1	
Lead	ppm	ASTM D5185m	>10	0	<1	
Copper	ppm	ASTM D5185m	>75	10	11	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	<1	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	<1	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		15	11	
Calcium	ppm	ASTM D5185m		18	14	
Phosphorus	ppm	ASTM D5185m	425	319	333	
Zinc	ppm	ASTM D5185m	500	399	417	
Sulfur	ppm	ASTM D5185m	1900	1945	1284	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	1	1	
Sodium	ppm	ASTM D5185m		0	0	
Potassium	ppm	ASTM D5185m	>20	0	1	
Water	%	ASTM D6304	>0.1	0.015	0.016	
ppm Water	ppm	ASTM D6304	>1000	157	169.9	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	3497	2 0778	
Particles >6µm		ASTM D7647	>1300	424	1565	
Particles >14µm		ASTM D7647	>160	26	82	
Particles >21µm		ASTM D7647	>40	6	19	
Particles >38µm		ASTM D7647	>10	0	3	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/12	<u>22/18/14</u>	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.7	0.66	0.38	



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No. Lab Number

: TO50000783 : 06155894 Unique Number: 10991317

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Apr 2024 **Tested** : 23 Apr 2024 Diagnosed : 24 Apr 2024 - Don Baldridge

Test Package : IND 2 (Additional Tests: KF, KV100, VI) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

DALLAS MORNING NEWS

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