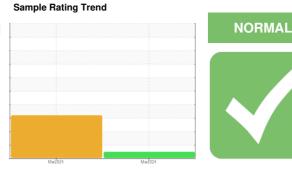


OIL ANALYSIS REPORT

[AFTER] **TOTE 2 YELLOW**

Component Hydraulic System

USPI FG HYD 46 (--- GAL)



Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

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

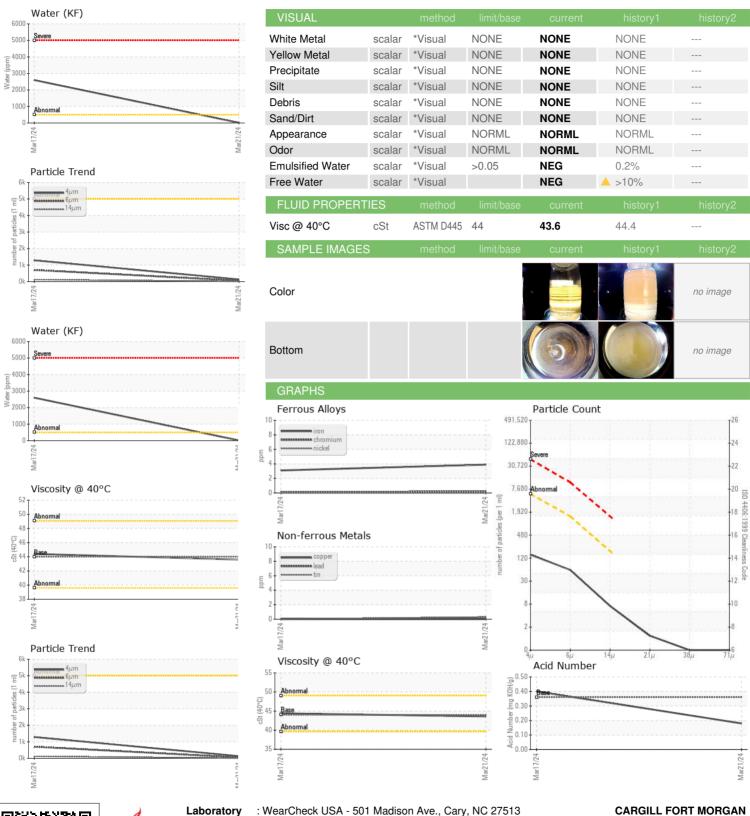
Fluid Condition

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		USP0008046	USP0006016	
Sample Date		Client Info		21 Mar 2024	17 Mar 2024	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	4	3	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>20	0	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>20	0	0	
Lead	ppm	ASTM D5185m	>20	0	0	
Copper	ppm	ASTM D5185m	>20	0	0	
Tin	ppm	ASTM D5185m	>20	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m		0	0	
Calcium	ppm	ASTM D5185m		3	0	
Phosphorus	ppm	ASTM D5185m	725	438	566	
Zinc	ppm	ASTM D5185m		0	0	
Sulfur	ppm	ASTM D5185m	625	436	696	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	<1	
Sodium	ppm	ASTM D5185m		0	2	
Potassium	ppm	ASTM D5185m	>20	<1	0	
Water	%	ASTM D6304	>0.05	0.001	▲ 0.260	
ppm Water	ppm	ASTM D6304	>500	8	<u>^</u> 2600	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	130	1288	
Particles >6µm		ASTM D7647	>1300	52	701	
Particles >14µm		ASTM D7647	>160	6	119	
Particles >21µm		ASTM D7647	>40	1	40	
Particles >38µm		ASTM D7647	>10	0	6	
Particles >71µm		ASTM D7647	>3	0	1	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	14/13/10	17/17/14	
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.36	0.18	0.40	



OIL ANALYSIS REPORT





Certificate 12367

Sample No. Lab Number : 06138547 Unique Number : 10963355

: USP0008046 Test Package : IND 2

Received : 04 Apr 2024 **Tested** : 05 Apr 2024

Diagnosed : 05 Apr 2024 - Doug Bogart 1505 E BURLINGTON AVE FORT MORGAN, CO US 80701

Contact: JOE ROSENFIELD

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)

Report Id: CARFORCOL [WUSCAR] 06138547 (Generated: 04/05/2024 23:09:34) Rev: 1

Contact/Location: JOE ROSENFIELD - CARFORCOL

T:

F: