

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Area [AFTER] tachine Id TOTE 6 ORANGE Hydraulic System Fluid

USPI FG HYD 46 (--- 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 oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

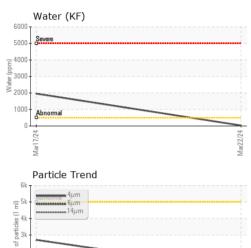
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

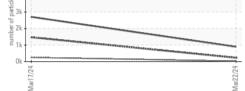
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0008049	USP0006014	
Sample Date		Client Info		22 Mar 2024	17 Mar 2024	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	4	2	
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	2	0	
Lead	ppm	ASTM D5185m	>20	0	0	
Copper	ppm	ASTM D5185m	>20	<1	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	445	564	
Zinc	ppm	ASTM D5185m		0	0	
Sulfur	ppm	ASTM D5185m	625	423	695	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	2	
Sodium	ppm	ASTM D5185m		0	2	
Potassium	ppm	ASTM D5185m	>20	<1	0	
Water	%	ASTM D6304	>0.05	0.003	0.196	
ppm Water	ppm	ASTM D6304	>500	32	1 960	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	895	2706	
Particles >6µm		ASTM D7647	>1300	230	1474	
Particles >14µm		ASTM D7647	>160	21	251	
Particles >21µm		ASTM D7647	>40	9	84	
Particles >38µm		ASTM D7647	>10	2	1 3	
Particles >71µm		ASTM D7647	>3	0	1	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/12	19/18/15	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.36	0.24	0.33	

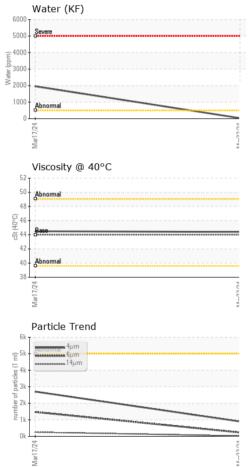
Contact/Location: JOE ROSENFIELD - CARFORCOL Page 1 of 2

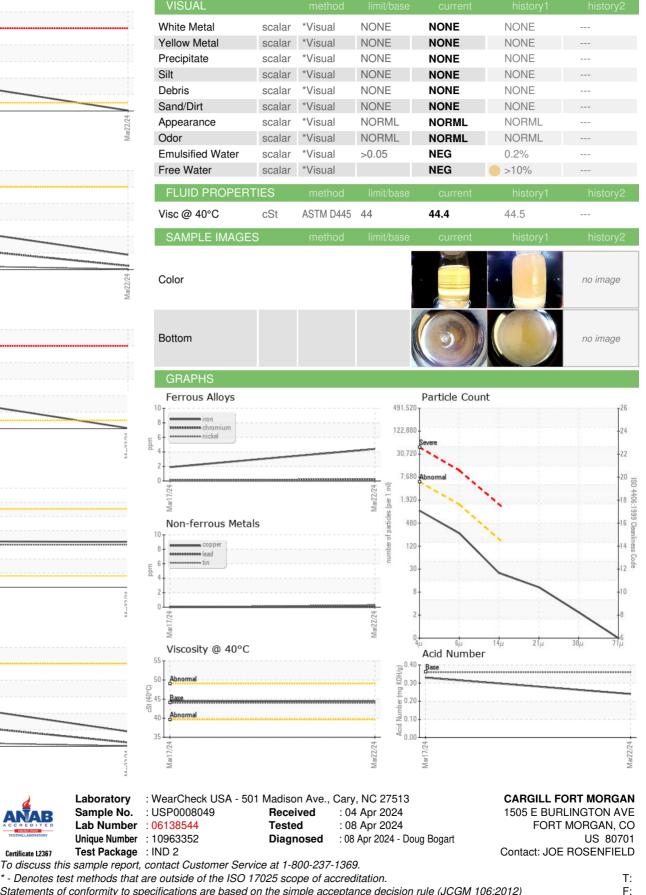


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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Certificate 12367

Contact/Location: JOE ROSENFIELD - CARFORCOL