

OIL ANALYSIS REPORT

Area HOCW HARVEST HOUSE TANK (S/N 100038197) Component

Main Hydraulic System

USPI FG HYD 46 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

Wear

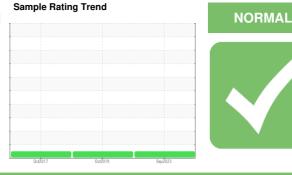
All component wear rates are normal.

Contamination

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

Fluid Condition

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





		0c	2017	Oct2018 Sep20	23	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM29819	USP147933	USP158445
Sample Date		Client Info		24 Sep 2023	07 Oct 2018	17 Oct 2017
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				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	1	5
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	<1	<1
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	0	0	<1
Tin	ppm	ASTM D5185m	>20	0	0	2
Antimony	ppm	ASTM D5185m			0	4
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	<1	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	2
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	2	3
Phosphorus	ppm	ASTM D5185m	725	548	99	226
Zinc	ppm	ASTM D5185m		0	2	13
Sulfur	ppm	ASTM D5185m	625	539	9	200
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	2	6
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	0	0	13
Water	%	ASTM D6304	>0.05	0.001	0.006	0.004
ppm Water	ppm	ASTM D6304	>500	0.00	60	40
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	225	168	551
Particles >6µm		ASTM D7647	>1300	62	46	195
Particles >14µm		ASTM D7647	>160	5	5	22
Particles >21µm		ASTM D7647	>40	2	2	6
Particles >38µm		ASTM D7647	>10	1	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	15/13/10	15/13/10	16/15/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
			0.00	0.24	0.007	0 5 0 1

Acid Number (AN)

mg KOH/g ASTM D8045 0.36

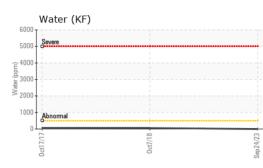
0.34 0.387 0.531

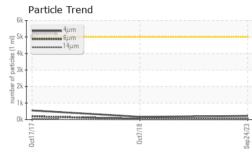
Report Id: CARFORCOL [WUSCAR] 05966377 (Generated: 10/05/2023 03:20:57) Rev: 1

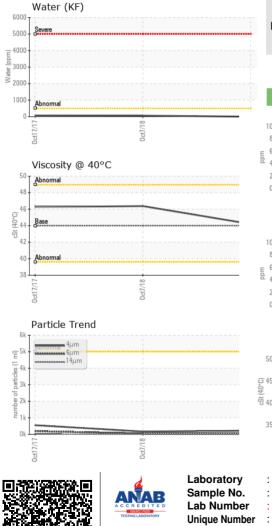
Contact/Location: JOE ROSENFIELD - CARFORCOL



OIL ANALYSIS REPORT

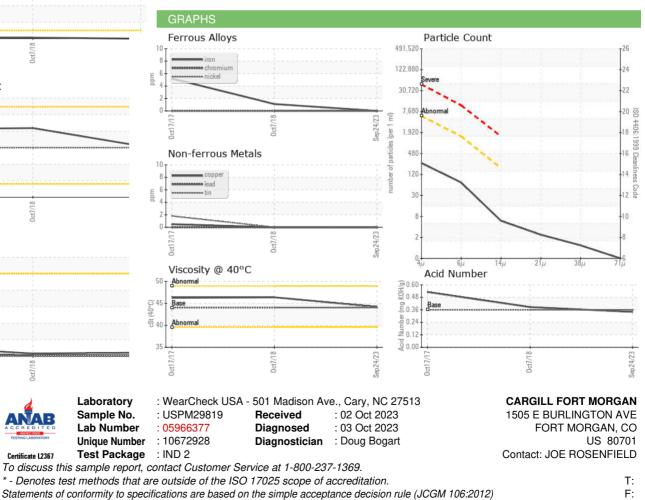






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44	44.2	46.37	46.26
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				•		
						1 Carry

Bottom



Contact/Location: JOE ROSENFIELD - CARFORCOL