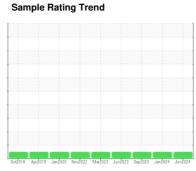


OIL ANALYSIS REPORT

HOCW HARVEST HPU EAST 98S (S/N 100038197)

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.

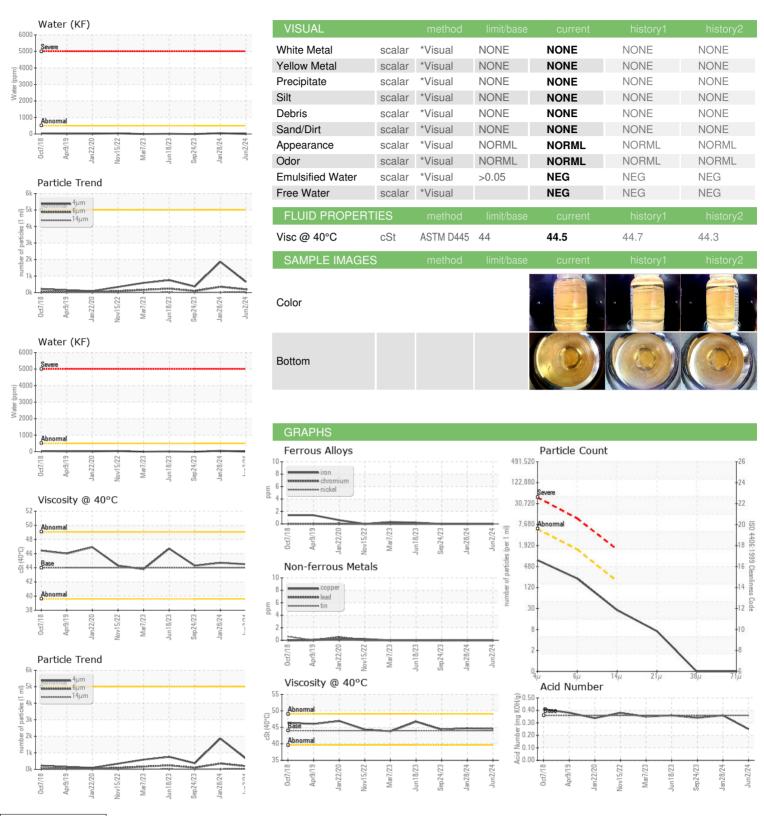
Fluid Condition

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		USPM36393	USPM30793	USPM29822
Sample Date		Client Info		02 Jun 2024	28 Jan 2024	24 Sep 2023
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	0	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	<1
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	0	0	0
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m	725	530	557	548
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m	625	607	512	541
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	<1	<1
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.05	0.001	0.004	0.001
ppm Water	ppm	ASTM D6304	>500	4	49	0.00
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	643	1863	363
Particles >6µm		ASTM D7647	>1300	191	353	98
Particles >14µm		ASTM D7647	>160	24	17	10
Particles >21µm		ASTM D7647	>40	6	6	3
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/12	18/16/11	16/14/10
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.36	0.25	0.36	0.34



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number Unique Number : 11059828

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USPM36393 : 06197705

Received **Tested**

: 04 Jun 2024 Diagnosed

: 06 Jun 2024 - Doug Bogart

: 03 Jun 2024

CARGILL FORT MORGAN 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)

T:

F: