

OIL ANALYSIS REPORT

Machine Id

FLUID POWER 2177033 (S/N SRNS 105)

Component Hydraulic System

SHELL ECOSAFE S3 DU 46 (3 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. 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.

Particle Filter (Magn: 200 x)



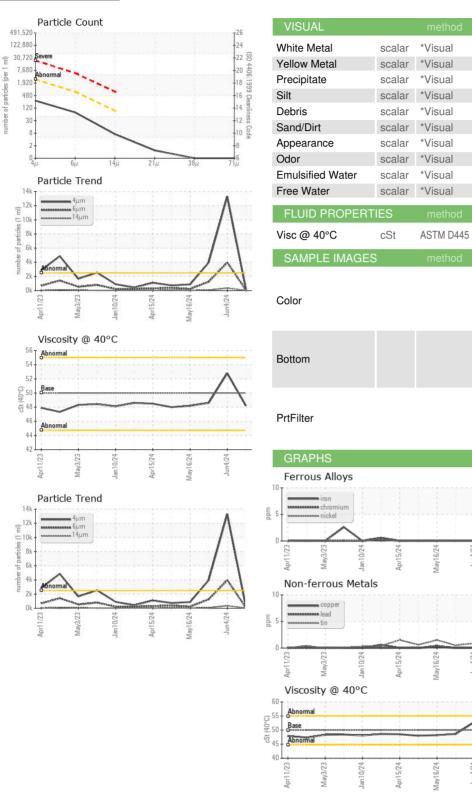
Sample Rating Trend NORMAL

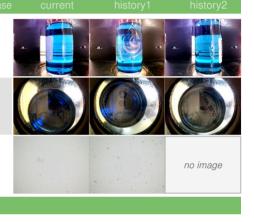
Sample Number Client Info PH0001466 PH0001467 PH0001467 Sample Date Client Info 06 Jun 2024 04 Jun 2024 19 May 2024 Machine Age hrs Client Info 0 0 0 Oil Age hrs Client Info N/A N/A N/A Sample Status I Into Normal ABNORMAL ATTENTION CONTAMINATION method Init/bas current history! history! Water WC Method >0.05 NEG NEG NEG WetAR METALS method 101/bbs current history! history! Iron ppm ASTM D5185m >20 0 0 0 Nickel ppm ASTM D5185m >20 0 0 0 Iranium ppm ASTM D5185m >20 0 0 0 Copper ppm ASTM D5185m >20 0 0 0 Copper ppm	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
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Silicon ppm ASTM D5185m >15 <1	Sulfur	ppm	ASTM D5185m		3929	3840	4247
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FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >2500 241 A 13303 3970 Particles >6µm ASTM D7647 >640 66 3970 1252 Particles >14µm ASTM D7647 >80 6 3390 71 Particles >14µm ASTM D7647 >20 1 A 133 20 Particles >21µm ASTM D7647 >20 1 A 133 20 Particles >38µm ASTM D7647 >4 0 A 13 0 Particles >71µm ASTM D7647 >3 0 1 0 Oil Cleanliness ISO 4406 (c) >18/16/13 15/13/10 21/19/16 19/17/13 FLUID DEGRADATION method limit/base current history1 history2	Sodium	ppm	ASTM D5185m		0	0	0
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Particles >38μm ASTM D7647 >4 0 ▲ 13 0 Particles >71μm ASTM D7647 >3 0 1 0 Oil Cleanliness ISO 4406 (c) >18/16/13 15/13/10 ▲ 21/19/16 19/17/13 FLUID DEGRADATION method limit/base current history1 history2	Particles >14µm		ASTM D7647	>80	6	A 339	71
Particles >38μm ASTM D7647 >4 0 ▲ 13 0 Particles >71μm ASTM D7647 >3 0 1 0 Oil Cleanliness ISO 4406 (c) >18/16/13 15/13/10 ▲ 21/19/16 19/17/13 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647	>20	1	1 33	20
Particles >71μm ASTM D7647 >3 0 1 0 Oil Cleanliness ISO 4406 (c) >18/16/13 15/13/10 4 21/19/16 19/17/13 FLUID DEGRADATION method limit/base current history1 history2				>4	0		0
Oil Cleanliness ISO 4406 (c) >18/16/13 15/13/10 21/19/16 19/17/13 FLUID DEGRADATION method limit/base current history1 history2				>3	0		0
						▲ 21/19/16	9/17/13
Acid Number (AN) mg KOH/g ASTM D8045 0.42 0.43 0.40	FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.42	0.43	0.40

Report Id: HYDFORTX [WUSCAR] 06206472 (Generated: 06/17/2024 11:30:05) Rev: 1

Contact/Location: JACK DAVIS - HYDFORTX Page 1 of 2

OIL ANALYSIS REPORT





NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

52.8

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

48.6

NONE

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NORML

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48.2

NONE

NONE

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NONE

NORML

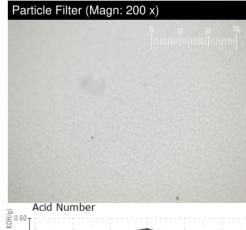
NORML

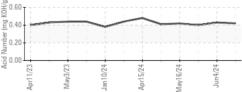
>0.05

50.0

104/74

Jun4/24 -





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 HYDRADYNE LLC Sample No. : PH0001466 Received : 11 Jun 2024 15050 FAA BLVD Lab Number : 06206472 Tested : 17 Jun 2024 FORT WORTH, TX Unique Number : 11073933 Diagnosed : 17 Jun 2024 - Doug Bogart US 76155 Test Package : PLANT (Additional Tests: PrtFilter) Contact: JACK DAVIS Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. jdavis@hydradynellc.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

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Contact/Location: JACK DAVIS - HYDFORTX

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