

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

DENISON NNN 2277

Component

Hydraulic System

SAFETY-KLEEN PERFORMANCE PLUS HYDRA

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

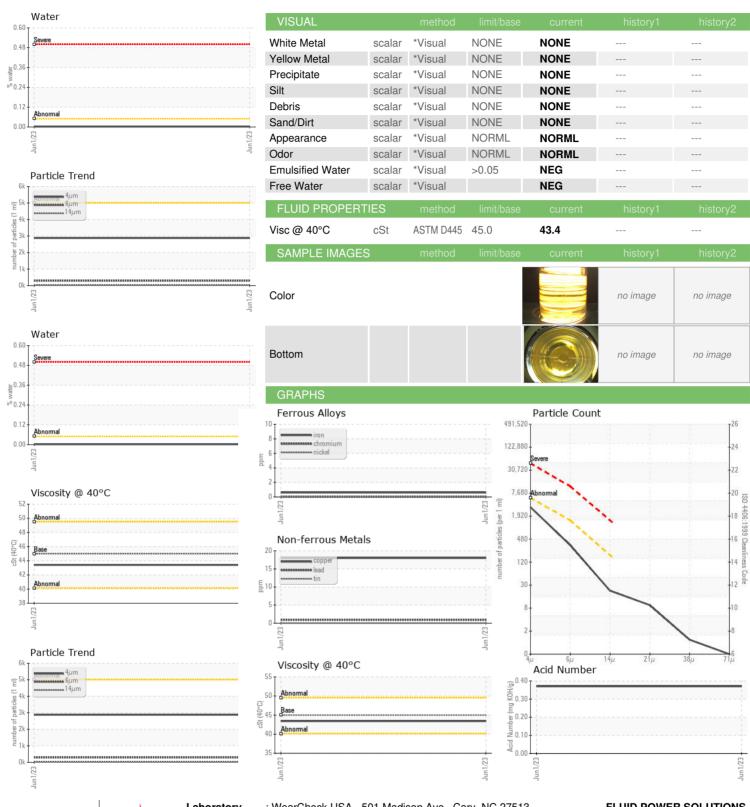
Fluid Condition

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

SAMPLE INFORMATION	AULIC AW 46 (300	CAL)					
Sample Number Client Info Client Info O1 Jun 2023	`						
Client Info	SAMPLE INFORM	1A I ION	method	limit/base	current	history1	history2
Machine Age hrs	Sample Number		Client Info		ST44800		
Dil Changed Dil Changed Client Info N/A	Sample Date		Client Info		01 Jun 2023		
Colient Info	Machine Age	hrs	Client Info		0		
WEAR METALS method limit/base current history1 history2	Oil Age	hrs	Client Info		0		
WEAR METALS	Oil Changed		Client Info		N/A		
Chromium	Sample Status				NORMAL		
Chromium ppm ASTM D5185m ≥20 0 Nickel ppm ASTM D5185m ≥20 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m ≥20 0 Aluminum ppm ASTM D5185m ≥20 18 Lead ppm ASTM D5185m ≥20 18 Copper ppm ASTM D5185m ≥20 18 Tin ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 Baron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Malganesium ppm ASTM D5185m 2	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>20	<1		
Description	Chromium	ppm	ASTM D5185m	>20	0		
Aluminum	Nickel	ppm	ASTM D5185m	>20	0		
Aluminum	Titanium	ppm	ASTM D5185m		0		
Lead	Silver	ppm	ASTM D5185m		0		
Copper	Aluminum	ppm	ASTM D5185m	>20	0		
Copper	_ead	ppm	ASTM D5185m	>20	<1		
Tin	Copper		ASTM D5185m	>20	18		
Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 2 Manganesium ppm ASTM D5185m 2 Manganesium ppm ASTM D5185m 2 Phosphorus ppm ASTM D5185m 48 48 Phosphorus ppm ASTM D5185m 340 333 Phosphorus ppm ASTM D5185m 430 424 Phosphorus ppm ASTM D5185m 917 Contraction ppm AST	• •		ASTM D5185m	>20	0		
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Barium	ADDITIVES		method	limit/base	current	history1	history2
Sarium	Boron	ppm	ASTM D5185m		0		
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Oil Cleanliness ISO 4406 (c) >19/17/14 19/15/11 FLUID DEGRADATION method limit/base current history1 history2							
	Oil Cleanliness						
Acid Number (AN) mg KOH/g ASTM D8045 0.37	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.37		



OIL ANALYSIS REPORT





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: ST44800 : 05866672 : 10506456

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 07 Jun 2023 Diagnosed

: 08 Jun 2023 Diagnostician : Wes Davis

Test Package : IND 2 (Additional Tests: KF) To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

FLUID POWER SOLUTIONS

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