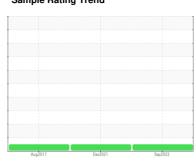


# **OIL ANALYSIS REPORT**

### Sample Rating Trend



**NORMAL** 



# SERVICE LP

Component

**Hydraulic System** 

**TOTAL AZOLLA ZS 22 (--- GAL)** 

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### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

The amount and size of particulates present in the system are acceptable.

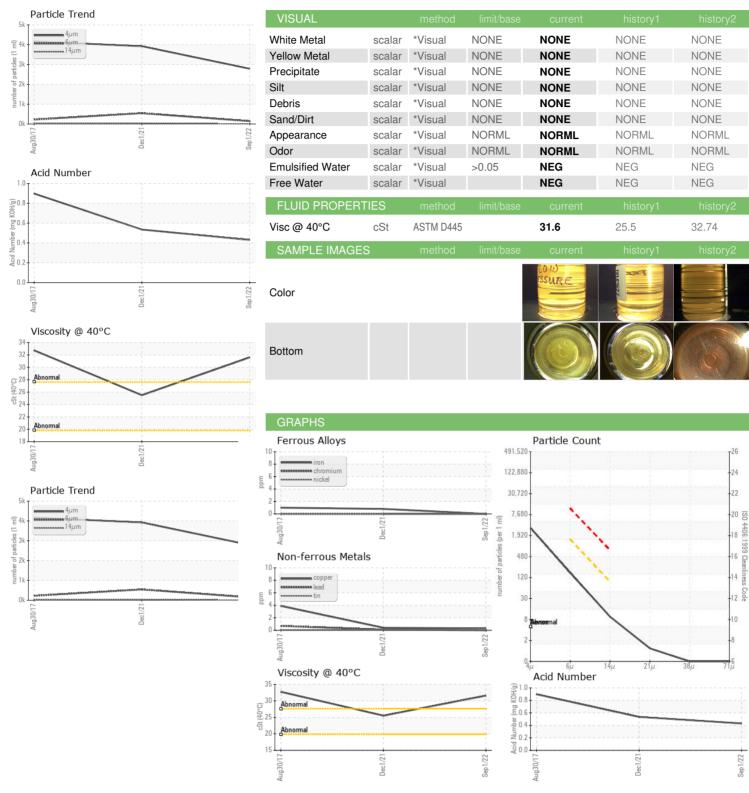
### **Fluid Condition**

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

Aug/2017 Dw2/021 Sw2/022							
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		WC0700540	WC0458489	WCI2324502	
Sample Date		Client Info		01 Sep 2022	01 Dec 2021	30 Aug 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	1	
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	<1	0	
Aluminum	ppm	ASTM D5185m	>20	<1	0	<1	
Lead	ppm	ASTM D5185m	>20	0	<1	<1	
Copper	ppm	ASTM D5185m	>20	<1	<1	4	
Tin	ppm	ASTM D5185m	>20	0	<1	0	
Antimony	ppm	ASTM D5185m			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		<1	1	<1	
Barium	ppm	ASTM D5185m		0	0	<1	
Molybdenum	ppm	ASTM D5185m		0	0	0	
Manganese	ppm	ASTM D5185m		0	0	0	
Magnesium	ppm	ASTM D5185m		0	0	1	
Calcium	ppm	ASTM D5185m		48	51	140	
Phosphorus	ppm	ASTM D5185m		333	333	530	
Zinc	ppm	ASTM D5185m		397	386	720	
Sulfur	ppm	ASTM D5185m		816	767	5532	
CONTAMINANTS	;	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>15	<1	0	3	
Sodium	ppm	ASTM D5185m		2	<1	3	
Potassium	ppm	ASTM D5185m	>20	0	<1	10	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2	
Particles >4µm		ASTM D7647		2788	3924	4165	
Particles >6µm		ASTM D7647	>1300	145	544	222	
Particles >14µm		ASTM D7647	>80	8	31	22	
Particles >21µm		ASTM D7647	>20	1	8	13	
Particles >38µm		ASTM D7647	>4	0	0	3	
Particles >71µm		ASTM D7647	>3	0	0	1	
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/14/10	19/16/12	19/15/12	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045		0.43	0.535	0.898	



## OIL ANALYSIS REPORT







Certificate L2367

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

: WC0700540 : 05632881 : 10117402 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 02 Sep 2022 Received Diagnosed : 06 Sep 2022

: Don Baldridge

Diagnostician

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.

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

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