

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



HAWE TEST BRANCH PSL/PSV TEST STAND (S/N AV714/1)

Component

Hydraulic System

TOTAL AZOLLA ZS 22 (300 GAL)

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 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.

2019 Sep2020 Feb2021 Jud0021 Feb2022 Aug0022 Feb2023 Jun2023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0791126	WC0791122	WC0791116
Sample Date		Client Info		02 Oct 2023	07 Sep 2023	01 Aug 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	<1	0	0
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	2	<1	<1
Lead	ppm	ASTM D5185m	>20	<1	0	0
Copper	ppm	ASTM D5185m	>20	<1	<1	<1
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
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	<1
Magnesium	ppm	ASTM D5185m		<1	0	0
Calcium	ppm	ASTM D5185m		55	50	57
Phosphorus	ppm	ASTM D5185m		332	348	360
Zinc	ppm	ASTM D5185m		462	461	464
Sulfur	ppm	ASTM D5185m		1372	1488	1515
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Sodium	ppm	ASTM D5185m		<1	<1	1
Potassium	ppm	ASTM D5185m	>20	<1	0	0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	301	147	96
Particles >6µm		ASTM D7647	>640	36	46	55
Particles >14μm		ASTM D7647	>80	7	6	9
Particles >21µm		ASTM D7647	>20	2	1	3
Particles >38μm		ASTM D7647	>4	1	0	0
Particles >71μm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	15/12/10	14/13/10	14/13/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045

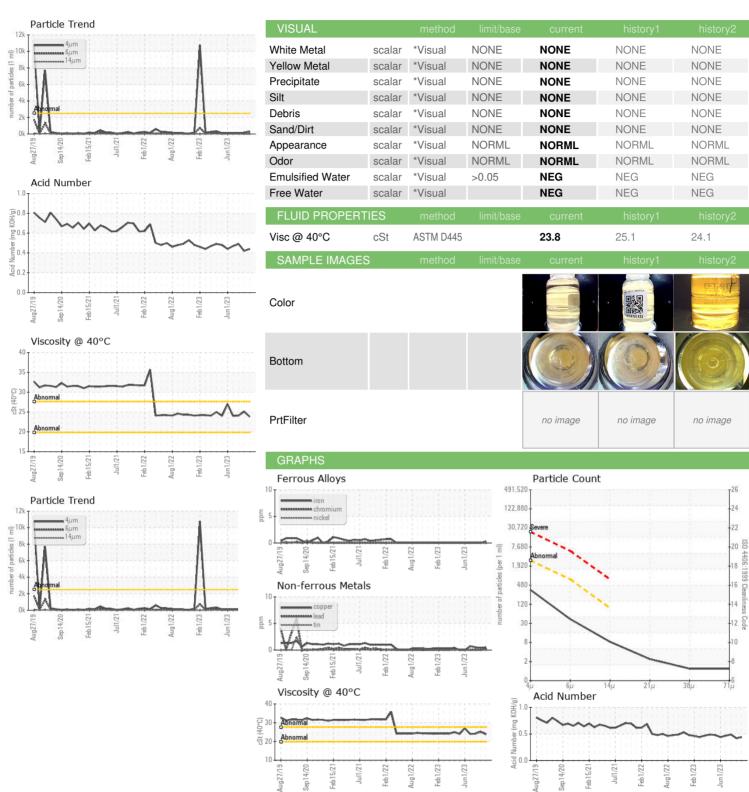
0.42

0.44

0.49



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Certificate L2367

Sample No.

Laboratory Lab Number **Unique Number**

: 10675467 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 04 Oct 2023 : WC0791126 Received : 05968916 Diagnosed : 05 Oct 2023

: Wes Davis 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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