

OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 11

Hydraulic System

AW HYDRAULIC OIL ISO 32 (--- 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 component. The amount and size of particulates present in the system is acceptable.

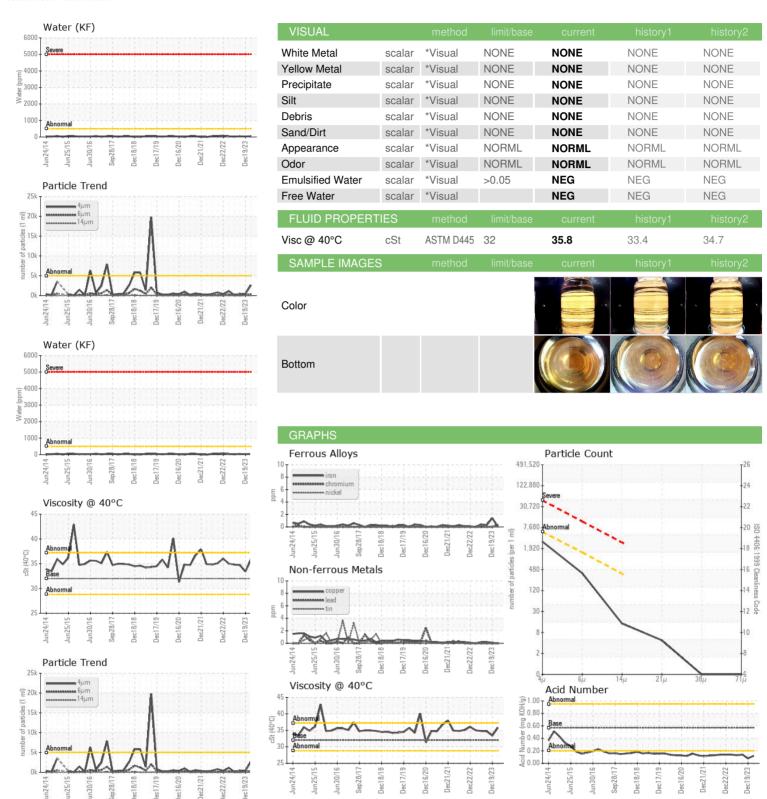
Fluid Condition

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

		n2014 Jun2015	Jun2016 Sep2017 Dec201	18 Dec2019 Dec2020 Dec2021 Dec	2022 Dec2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ST46518	ST46189	ST43870
Sample Date		Client Info		28 Mar 2024	19 Dec 2023	27 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	1	<1
Chromium	ppm	ASTM D5185m	>20	<1	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	0	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	0	<1	<1
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	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	25	2	0	2
Calcium	ppm	ASTM D5185m	200	46	40	38
Phosphorus	ppm	ASTM D5185m	300	67	62	55
Zinc	ppm	ASTM D5185m	370	30	21	25
Sulfur	ppm	ASTM D5185m	2500	437	380	323
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	1	0	<1
Water	%	ASTM D6304	>0.05	0.004	0.003	0.003
ppm Water	ppm	ASTM D6304	>500	45	30	38.2
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	2639	385	443
Particles >6µm		ASTM D7647	>1300	331	115	87
Particles >14μm		ASTM D7647	>320	12	16	7
Particles >21µm		ASTM D7647	>80	4	6	2
Particles >38µm		ASTM D7647	>20	0	1	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/15	19/16/11	16/14/11	16/14/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.12	0.08	0.14



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: ST46518 : 06137408 Unique Number : 10956873

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 04 Apr 2024 Diagnosed : 05 Apr 2024 - Don Baldridge

: 03 Apr 2024

Test Package : IND 2 (Additional Tests: KF)

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.

ZAPP PRECISION STRIP INC.

266 SAMUEL BARNET BLVD. DARTMOUTH, MA US 02745

Contact: Greg Walton greg.walton@zapp.com

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (508)998-6310 Contact/Location: Greg Walton - ZAPDAR