

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

42 IN FURNACE 27

Component 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.

		ir2014 Jun20	15 Sep2016 Dec2017	Jun2019 Sep2020 Dec2021	Mar2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ST46174	ST43716	ST43572
Sample Date		Client Info		28 Mar 2024	20 Dec 2023	26 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	3	2	3
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	1	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	<1
Magnesium	ppm	ASTM D5185m	25	<1	0	<1
Calcium	ppm	ASTM D5185m	200	33	26	26
Phosphorus	ppm	ASTM D5185m	300	113	108	103
Zinc	ppm	ASTM D5185m	370	45	38	40
Sulfur	ppm	ASTM D5185m	2500	1676	1490	1599
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	<1	1
Sodium	ppm	ASTM D5185m		1	2	<1
Potassium	ppm	ASTM D5185m	>20	2	0	1
Water	%	ASTM D6304	>0.05	0.003	0.003	0.003
ppm Water	ppm	ASTM D6304	>500	26	26	27.6
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	866	1634	2470
Particles >6µm		ASTM D7647	>1300	169	472	523
Particles >14µm		ASTM D7647	>160	16	42	34
Particles >21µm		ASTM D7647	>40	5	10	10
Particles >38µm		ASTM D7647	>10	0	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/14	17/15/11	18/16/13	18/16/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.09	0.07	0.08



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Laboratory Sample No.

Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : ST46174 : 06137411 Unique Number : 10956876

Received **Tested**

Diagnosed Test Package : IND 2 (Additional Tests: KF)

Certificate 12367 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

ZAPP PRECISION STRIP INC.

266 SAMUEL BARNET BLVD. DARTMOUTH, MA US 02745

Contact/Location: Greg Walton - ZAPDAR

Contact: Greg Walton greg.walton@zapp.com

F: (508)998-6310

: 03 Apr 2024

: 04 Apr 2024

: 05 Apr 2024 - Don Baldridge