

OIL ANALYSIS REPORT

FINISHING

A-Grade/Reject Stacker Hydraulic Unit (S/N TR105J32)

Hydraulic System

AW HYDRAULIC OIL ISO 68 (--- GAL)

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Sample Rating Trend



DIAGNOSIS

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

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.

			0 Jan2021 Aug2021	Jan2022 Jun2022 Nov2022	Apr2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0782893	WC0782979	WC0782956
Sample Date		Client Info		17 Aug 2023	11 Jul 2023	15 Jun 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	2	2	1
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>20	<1	0	<1
Copper	ppm	ASTM D5185m	>20	4	4	3
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	<1	2	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	2	2	2
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	25	10	11	8
Calcium	ppm	ASTM D5185m	200	107	112	99
Phosphorus	ppm	ASTM D5185m	300	362	391	332
Zinc	ppm	ASTM D5185m	370	470	474	434
Sulfur	ppm	ASTM D5185m	2500	1065	1210	1019
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Sodium	ppm	ASTM D5185m		4	2	1
Potassium	ppm	ASTM D5185m	>20	0	<1	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	348	151	265
Particles >6µm		ASTM D7647	>640	122	48	42
Particles >14µm		ASTM D7647	>80	18	7	2
Particles >21µm		ASTM D7647	>20	6	3	0
Particles >38µm		ASTM D7647	>4	0	0	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	16/14/11	14/13/10	15/13/9
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.31	0.30	0.27



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Certificate L2367

Laboratory Sample No. Lab Number

Unique Number Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0782893 : 05930304 : 10615575

Received : 21 Aug 2023 Diagnosed : 22 Aug 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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