

# **OIL ANALYSIS REPORT**

#### Area JOHNSTOWN OH Machine Id MOWHAWK JOHNSTOWN GRANULATOR INFEED Component

Hydraulic System

AW HYDRAULIC OIL ISO 46 (75 GAL)

#### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

## Wear

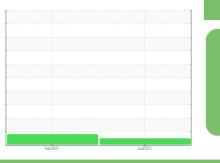
All component wear rates are normal.

### 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.



Sample Rating Trend

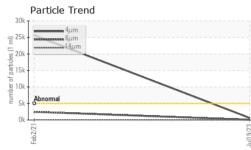


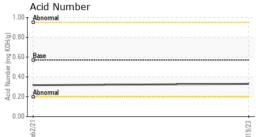
NORMAL

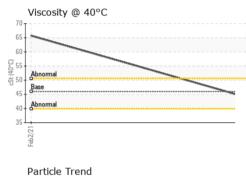
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0810268	WC0526435	
Sample Date		Client Info		19 Jul 2023	02 Feb 2021	
Machine Age	yrs	Client Info		22	0	
Oil Age	yrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	<1	
Chromium	ppm	ASTM D5185m	>20	0	0	
Nickel	ppm	ASTM D5185m	>20	0	0	
Titanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m		<1	<1	
Aluminum	ppm	ASTM D5185m	>20	0	4	
Lead	ppm	ASTM D5185m	>20	<1	<1	
Copper	ppm	ASTM D5185m	>20	1	<1	
Tin	ppm	ASTM D5185m	>20	0	<1	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	2	
Barium	ppm	ASTM D5185m	5	<1	0	
Molybdenum	ppm	ASTM D5185m	5	<1	<1	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	25	1	5	
Calcium	ppm	ASTM D5185m	200	36	72	
Phosphorus	ppm	ASTM D5185m	300	280	252	
Zinc	ppm	ASTM D5185m	370	362	317	
Sulfur	ppm	ASTM D5185m	2500	919	588	
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	3	<1	
Sodium	ppm	ASTM D5185m		0	0	
Potassium	ppm	ASTM D5185m	>20	<1	0	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	609	▲ 25669	
Particles >6µm		ASTM D7647	>1300	68	<b>A</b> 2464	
Particles >14 $\mu$ m		ASTM D7647	>160	7	65	
Particles >21µm		ASTM D7647	>40	2	13	
Particles >38µm		ASTM D7647	>10	0	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/13/10	🔺 22/18/13	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.33	0.317	

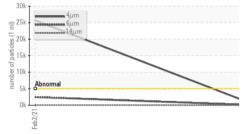


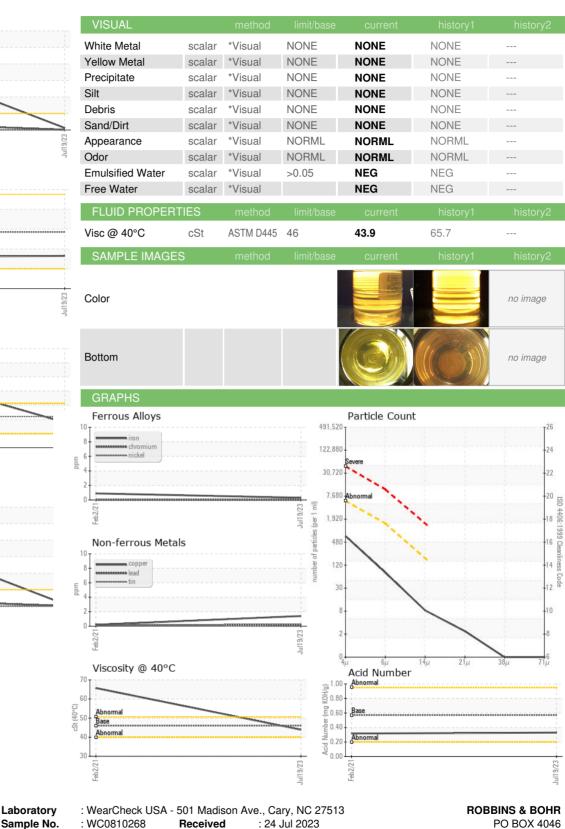
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PO BOX 4046 CHATTANOOGA, TN US 37405 Contact: Joe Robbins jrobbins@robbinsbohr.com T: (423)309-4625 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (423)756-4439



Report Id: ROBMCG [WUSCAR] 05905397 (Generated: 07/25/2023 11:06:09) Rev: 1

Certificate L2367

Laboratory

Lab Number

Unique Number

Test Package : IND 2

: 05905397

: 10566753

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.

Diagnosed

Diagnostician

: 25 Jul 2023 : Wes Davis

Contact/Location: Joe Robbins - ROBMCG