

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

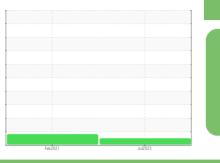
All component wear rates are normal.

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

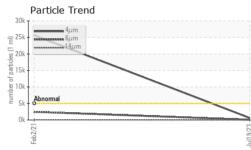


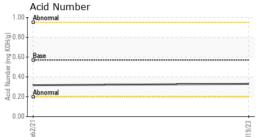
NORMAL

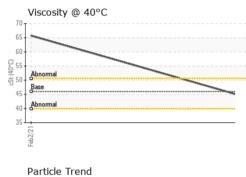
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0810268	WC0526435	
Sample Date		Client Info		19 Jul 2023	02 Feb 2021	
Machine Age	yrs	Client Info		22	0	
Oil Age	yrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	ABNORMAL	
WEAR 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	A 2464	
Particles >14 μ 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	

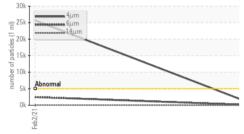


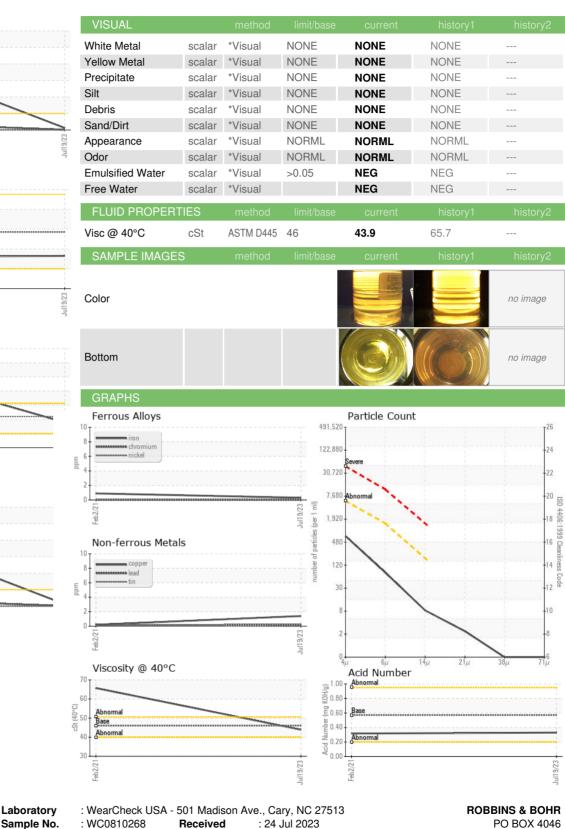
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PO BOX 4046 CHATTANOOGA, TN US 37405 Contact: Joe Robbins jrobbins@robbinsbohr.com T: (423)309-4625 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (423)756-4439



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