

OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
4322
Component
Hydraulic System
Fluid
ADDINOL HLPD 46 (80 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Woor

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Fluid Condition

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

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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ST44139		
Sample Date		Client Info		11 Jul 2024		
Machine Age	yrs	Client Info		0		
Oil Age	yrs	Client Info		6		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>30	4		
Chromium	ppm	ASTM D5185m	>2	1		
Nickel	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>2	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>25	5		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
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ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		2		
Calcium	ppm	ASTM D5185m		9		
Phosphorus	ppm	ASTM D5185m		178		
Zinc	ppm	ASTM D5185m		54		
Sulfur	ppm	ASTM D5185m		6952		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.05	0.002		
ppm Water	ppm	ASTM D6304	>500	18		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>2500	241		
Particles >6µm		ASTM D7647	>640	71		
Particles >14μm		ASTM D7647	>80	7		
Particles >21µm		ASTM D7647	>20	2		
Particles >38μm		ASTM D7647	>4	0		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	15/13/10		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
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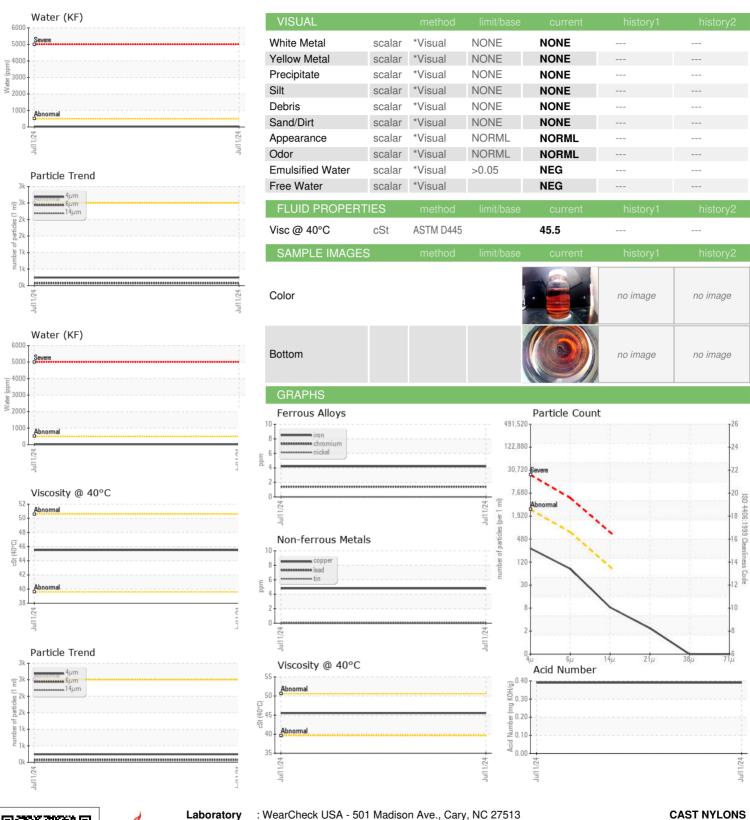
Acid Number (AN)

mg KOH/g ASTM D8045

0.39



OIL ANALYSIS REPORT





Laboratory Sample No.

: ST44139 Lab Number : 06239565 Unique Number : 11128399

Received **Tested**

: 17 Jul 2024 : 18 Jul 2024 Diagnosed : 19 Jul 2024 - Don Baldridge

4300 HAMANN INDUSTRIAL PKWY WILLOUGHBY, OH

US 44094 Contact: SHAWN SHENKER

Test Package : IND 2 (Additional Tests: KF) Certificate 12367 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) T: (440)269-2300 F: