

OIL ANALYSIS REPORT

Sample Rating Trend

ISO



REXROTH HPU 8

Component

Hydraulic System

SHELL TELLUS S3 M 46 (106 GAL)

DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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

				Dec2023		
0.4401 5 11 5001						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60001880		
Sample Date		Client Info		16 Dec 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>40	6		
Chromium	ppm	ASTM D5185m	>4	<1		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>4	2		
Lead	ppm	ASTM D5185m	>10	- <1		
Copper	ppm	ASTM D5185m	>60	4		
Tin	ppm	ASTM D5185m	>4	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
	ррпп					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		1		
Calcium	ppm	ASTM D5185m	55	16		
Phosphorus	ppm	ASTM D5185m	60	225		
Zinc	ppm	ASTM D5185m	0	260		
Sulfur	ppm	ASTM D5185m	180	2792		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	4		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	2		
Water	%	ASTM D6304	>0.05	0.004		
ppm Water	ppm	ASTM D6304	>500	46		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	9764		
Particles >6µm		ASTM D7647	>1300	1731		
Particles >14µm		ASTM D7647	>160	66		
Particles >21µm		ASTM D7647	>40	18		
Particles >38μm		ASTM D7647	>10	1		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/18/13		
FLUID DEGRADA	TION _	method	limit/base	current	history1	history2

0.29

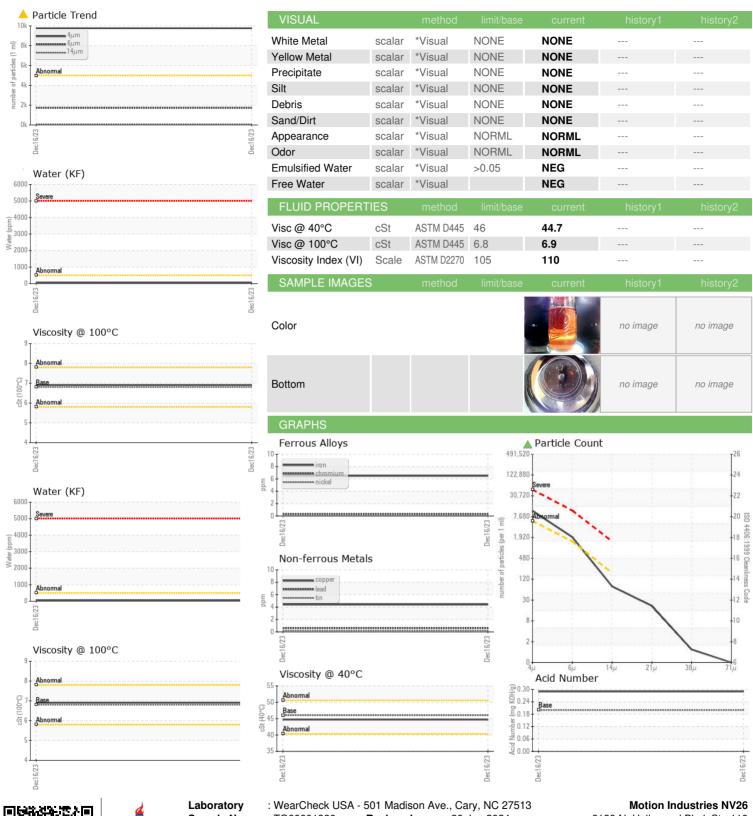
Acid Number (AN)

mg KOH/g ASTM D8045 0.2

Contact/Location: TONY DAVIS - MOTLAS



OIL ANALYSIS REPORT





ANAB ACCREDITED TESTING LABORATORY

Certificate L2367

Laboratory Sample No. Lab Number Unique Number

in the interest of the interes

60001880 Recieved
74677 Diagnose

Recieved : 30 Jan 2024
Diagnosed : 01 Feb 2024
Diagnostician : Jonathan Hester

Test Package: IND 2 (Additional Tests: KF, KV100, VI) sample report, contact Customer Service at 1-800-237-1369.

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)

6180 N. Hollywood Blvd. Ste 110

Las Vegas, NV US 89115 Contact: TONY DAVIS

TONY.DAVIS@MOTION.COM T:

Contact/Location: TONY DAVIS - MOTLAS

F: (702)651-9466