

OIL ANALYSIS REPORT

Sample Rating Trend



DLM 2 Component Hydraulic System

HOUGHTON HOUGHTO-SAFE 620 (--- GAL)

Machine Id

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

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

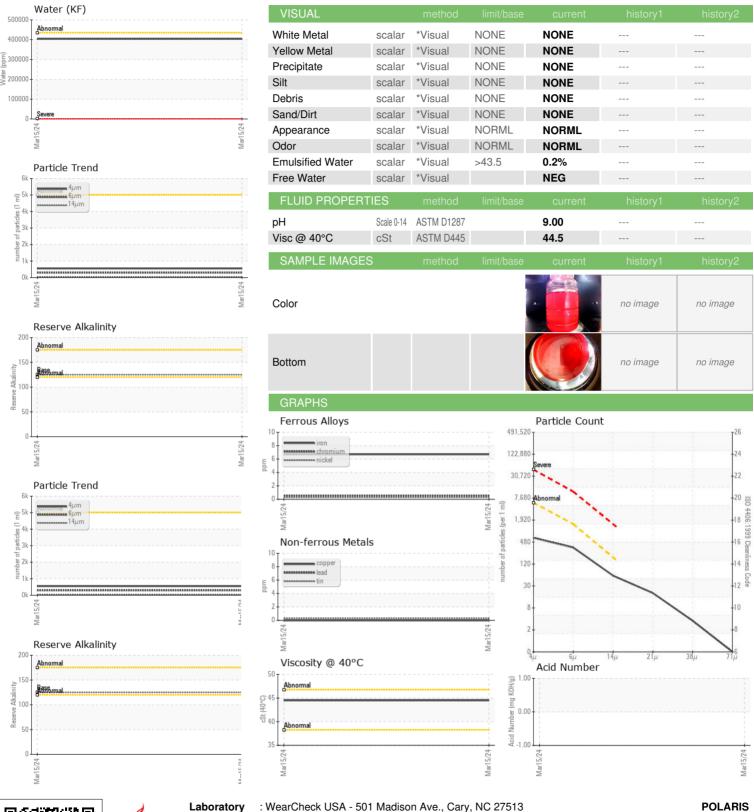
Fluid Condition

The pH level of this fluid is within the acceptable limits at 9.0. The condition of the oil is acceptable for the time in service.

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SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
	I/TIOIT		IIIIII Dasc			
Sample Number		Client Info		PTK0005364		
Sample Date	In or a	Client Info		15 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	7		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>20	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	9		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	0		
Tin	ppm	ASTM D5185m	>20	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		1		
Calcium	ppm	ASTM D5185m		6		
Phosphorus	ppm	ASTM D5185m		4		
Zinc	ppm	ASTM D5185m		1		
Sulfur	ppm	ASTM D5185m		0		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2		
Sodium	ppm	ASTM D5185m		26		
Potassium	ppm	ASTM D5185m	>20	5		
Water	%	ASTM D6304	>43.5	40.4		
ppm Water	ppm	ASTM D6304	>435000	404000		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	548		
Particles >6µm		ASTM D7647	>1300	298		
Particles >14µm		ASTM D7647	>160	51		
Particles >21µm		ASTM D7647	>40	17		
Particles >38µm		ASTM D7647	>10	3		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/15/13		



OIL ANALYSIS REPORT





Certificate 12367

Sample No.

: PTK0005364

Lab Number : 06130693 Unique Number : 10950158

Received **Tested** Diagnosed

: 02 Apr 2024 : 02 Apr 2024 - Jonathan Hester

: 27 Mar 2024

Test Package : MOB 2 (Additional Tests: KF, pH, ReserveAlk)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

Contact/Location: Service Manager - POLMONMN

LIS

T:

F:

MONTICELLO, MN

Contact: Service Manager