

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id

PAO FLUSHING PUMP 0954860

Component Hydraulic System Fluid

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Discrete particle counts [100 ml] $5-15\mu$ m = 4400, 15-25 μ m = 300, 25-50 μ m = 100, 50-100 μ m = 0, >100 μ m = 0. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

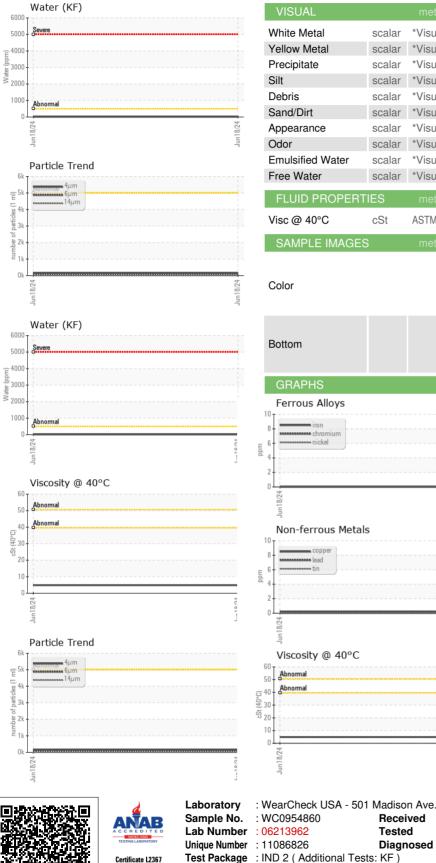
Fluid Condition

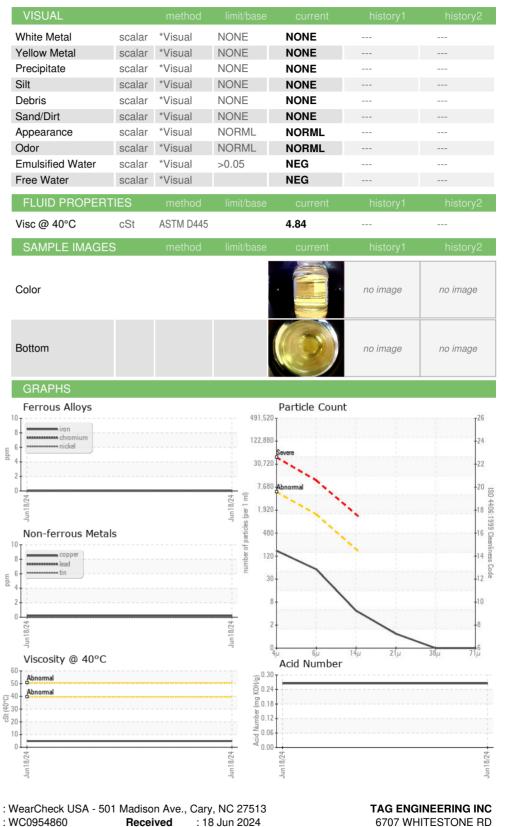
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0954860		
Sample Date		Client Info		18 Jun 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m		<1		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m	220	<1		
Cadmium	ppm	ASTM D5185m		0		
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		0		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		1		
Zinc	ppm	ASTM D5185m		11		
Sulfur	ppm	ASTM D5185m		20		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.05	0.001		
ppm Water	ppm	ASTM D6304	>500	9		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	146		
Particles >6µm		ASTM D7647	>1300	48		
Particles >14µm		ASTM D7647	>160	4		
Particles >21µm		ASTM D7647	>40	1		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	14/13/9		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.265		



OIL ANALYSIS REPORT





: 20 Jun 2024

: 21 Jun 2024 - Jonathan Hester



Wate

6707 WHITESTONE RD BALTIMORE, MD US 21207 Contact: MIKE STEVENSON mike@tagengineering.com T: (410)265-8686 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (410)265-8690

Report Id: TAGBAL [WUSCAR] 06213962 (Generated: 06/23/2024 04:29:42) Rev: 1

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.

Contact/Location: MIKE STEVENSON - TAGBAL