

OIL ANALYSIS REPORT

Sample Rating Trend



PALFINGER Tyngsboro 56137

2 Hydraulic System

AW HYDRAULIC OIL ISO 32 (--- GAL)

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

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.

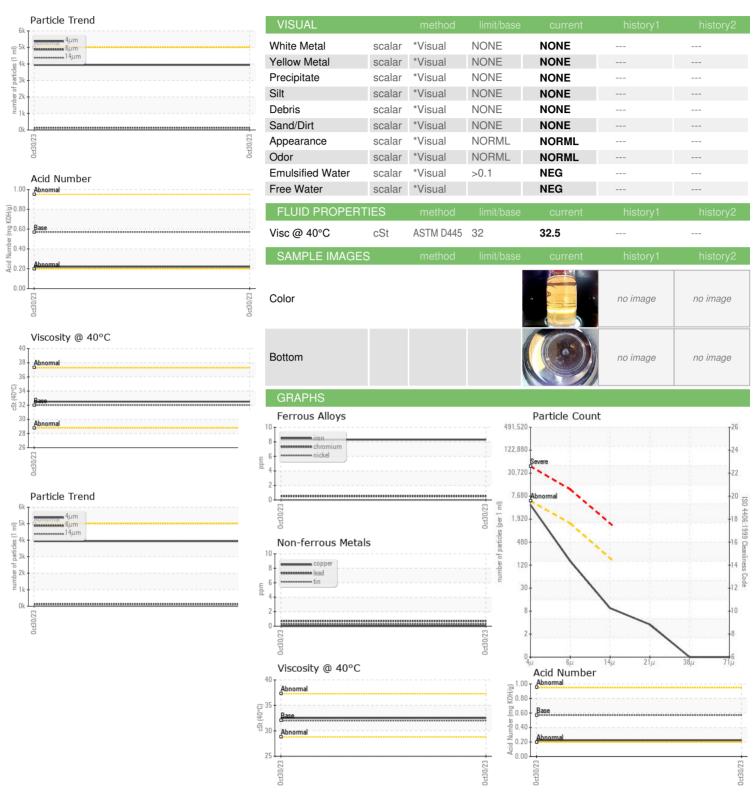
Fluid Condition

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

Sample Number Client Info WC0839791							
Sample Number Client Info WC0839791					Oct2023		
Sample Date Cilent Info 30 Oct 2023 Machine Age hrs Cilent Info 5101	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Date Cilient Info 30 Oct 2023 Machine Age hrs Cilient Info 5101	Sample Number		Client Info		WC0839791		
Machine Age hrs Client Info 5101			Client Info				
Oil Age hrs Client Info 5101	•	hrs					
Oil Changed Sample Status Client Info N/A							
WEAR METALS		0					
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >20 8 Chromium ppm ASTM D5185m >10 <1							
Irron			method	limit/base	current	history1	history2
Chromium ppm ASTM D5185m >10 <1 Nickel ppm ASTM D5185m >10 0 Titanium ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m 10 0 Aluminum ppm ASTM D5185m >10 0 Lead ppm ASTM D5185m >10 <1		maa	ASTM D5185m	>20	8		
Nickel ppm ASTM D5185m >10 0 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >10 0 Aluminum ppm ASTM D5185m >10 <1 Copper ppm ASTM D5185m >75 0 Tin ppm ASTM D5185m >10 <1 Vanadium ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method imit/base current history1 history2 Boron ppm ASTM D5185m 5 0 Barium ppm ASTM D5185m 5 0 Malganese ppm ASTM D5185m 5 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 25 7 Calcium ppm ASTM D5185m 300 283 Calcium ppm ASTM D5185m 370 357 Sulfur ppm ASTM D5185m 2500 1342 CONTAMINANTS method imit/base current history1 history2 Sodium ppm ASTM D5185m >20 1 Sodium ppm ASTM D5185m >20 0 Sodium ppm ASTM D51	Chromium		ASTM D5185m	>10	<1		
Titanium ppm ASTM D5185m 0	Nickel			>10	0		
Silver				7.0	-		
Aluminum							
Lead ppm ASTM D5185m >10 <1 Copper ppm ASTM D5185m >75 0 Tin ppm ASTM D5185m >10 <1				\10			
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Sulfur ppm ASTM D5185m 2500 1342 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 1 Sodium ppm ASTM D5185m >20 0 Potassium ppm ASTM D5185m >20 0 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >5000 3939 Particles >6µm ASTM D7647 >1300 135 Particles >14µm ASTM D7647 >160 8 Particles >21µm ASTM D7647 >40 3 Particles >71µm ASTM D7647 >3 0 Particles >71µm ASTM D7647 >3 0 <td>Phosphorus</td> <td>ppm</td> <td>ASTM D5185m</td> <td>300</td> <td>283</td> <td></td> <td></td>	Phosphorus	ppm	ASTM D5185m	300	283		
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Particles >4μm ASTM D7647 >5000 3939 Particles >6μm ASTM D7647 >1300 135 Particles >14μm ASTM D7647 >160 8 Particles >21μm ASTM D7647 >40 3 Particles >38μm ASTM D7647 >10 0 Particles >71μm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >19/17/14 19/14/10 FLUID DEGRADATION method limit/base current history1 history2	Potassium	ppm	ASTM D5185m	>20	0		
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Particles >71μm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >19/17/14 19/14/10 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647	>40	3		
Particles >71μm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >19/17/14 19/14/10 FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm		ASTM D7647	>10	0		
Oil Cleanliness ISO 4406 (c) >19/17/14 19/14/10 FLUID DEGRADATION method limit/base current history1 history2			ASTM D7647	>3	0		
			ISO 4406 (c)	>19/17/14	19/14/10		
	FLUID DEGRADA	NOITA	method_	limit/base	current	history1	history2
	Acid Number (AN)						



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: 06006274 : 10740036

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0839791

Received Diagnosed Diagnostician : Wes Davis

: 13 Nov 2023

: 14 Nov 2023

Test Package : CONST (Additional Tests: PrtCount) 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)

PALFINGER - BRANCH 410

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Contact: DON DRESS d.dress@palfinger.com

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