

PROBLEM SUMMARY

Sample Rating Trend

ISO

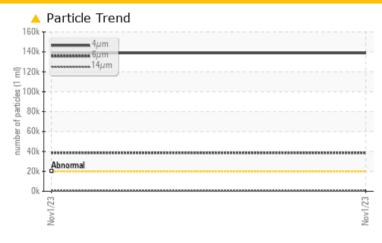


T-1 VAC MILL (SOUTH PLANT)

Component **Auger**

JAX MAGNA-PLATE 220 FG (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS									
Sample Status			ABNORMAL						
Particles >4µm	ASTM D7647	>20000	138691						
Particles >6µm	ASTM D7647	>5000	▲ 38588						
Oil Cleanliness	ISO 4406 (c)	>21/19/16	4 24/22/16						

Customer Id: TYSSAI Sample No.: USP0003043 Lab Number: 05996731 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

ISO

T-1 VAC MILL (SOUTH PLANT)

Auger Fluid

JAX MAGNA-PLATE 220 FG (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a high 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.

Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m <1					Nov2023		
Sample Date Client Info 0 1 Nov 2023	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Date Client Info 0 1 Nov 2023	Sample Number		Client Info		USP0003043		
Machine Age hrs Client Info 0 .	·						
Oil Age Oil Changed hrs Client Info N/A		hrs			011101 =0=0		
Cilichanged Sample Status					-		
ABNORMAL WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >150 43 Chromium ppm ASTM D5185m >10 <1 Nickel ppm ASTM D5185m >10 0 Titanium ppm ASTM D5185m >10 0 Aluminum ppm ASTM D5185m >225 20 Aluminum ppm ASTM D5185m >100 0 Calead ppm ASTM D5185m >50 <1 Copper ppm ASTM D5185m >50 <1 Vanadium ppm ASTM D5185m 0 Cadium ppm ASTM D5185m 0 Barium	•	0			-		
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >150 43 Chromium ppm ASTM D5185m >10 <1			Chorte trillo				
Irron	·		method	limit/base	-		
Chromium ppm ASTM D5185m >10 <1 Nickel ppm ASTM D5185m >10 0 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m >0 Lead ppm ASTM D5185m >50 <1		nnm					
Nickel	-						
Titanium							
Silver				>10	-		
Aluminum ppm ASTM D5185m >2.5 20 Lead ppm ASTM D5185m >10.0 0 Copper ppm ASTM D5185m >50 <1							
Lead ppm ASTM D5185m >100 0 Copper ppm ASTM D5185m >50 <1				٥٢	-		
Copper ppm ASTM D5185m >50 <1 Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m <1					-		
Tin					-		
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Boron ppm ASTM D5185m		ppm	ASTM D5185m		0		
Barium ppm ASTM D5185m <1	ADDITIVES		method	limit/base	current	history1	history2
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Sodium ppm ASTM D5185m 3 Potassium ppm ASTM D5185m >20 1 Water % ASTM D6304 >0.1 0.004 ppm Water ppm ASTM D6304 >1000 47.2 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4μm ASTM D7647 >20000 Δ 138691 Particles >6μm ASTM D7647 >5000 Δ 38588 Particles >14μm ASTM D7647 >640 599 Particles >21μm ASTM D7647 >160 85 Particles >38μm ASTM D7647 >40 2 Particles >71μm ASTM D7647 >10 0 Oil Cleanliness ISO 4406 (c) >21/19/16 24/22/16	CONTAMINANTS		method	limit/base	current	history1	history2
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Particles >14μm ASTM D7647 >640 599 Particles >21μm ASTM D7647 >160 85 Particles >38μm ASTM D7647 >40 2 Particles >71μm ASTM D7647 >10 0 Oil Cleanliness ISO 4406 (c) >21/19/16 24/22/16 FLUID DEGRADATION method limit/base current history1 history2	Particles >4µm		ASTM D7647	>20000	<u> 138691</u>		
Particles >21μm ASTM D7647 >160 85 Particles >38μm ASTM D7647 >40 2 Particles >71μm ASTM D7647 >10 0 Oil Cleanliness ISO 4406 (c) >21/19/16 24/22/16 FLUID DEGRADATION method limit/base current history1 history2	Particles >6µm		ASTM D7647	>5000	38588		
Particles >38μm ASTM D7647 >40 2 Particles >71μm ASTM D7647 >10 0 Oil Cleanliness ISO 4406 (c) >21/19/16 24/22/16 FLUID DEGRADATION method limit/base current history1 history2	Particles >14µm		ASTM D7647	>640	599		
Particles >38μm ASTM D7647 >40 2 Particles >71μm ASTM D7647 >10 0 Oil Cleanliness ISO 4406 (c) >21/19/16 24/22/16 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647	>160	85		
Particles >71μm ASTM D7647 >10 0 Oil Cleanliness ISO 4406 (c) >21/19/16 ▲ 24/22/16 FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm			>40	2		
Oil Cleanliness ISO 4406 (c) >21/19/16 24/22/16 FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm			>10	0		
•	Oil Cleanliness						
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Named (Att) inground 7.01% 20040	Acid Number (AN)	mg KOH/g	ASTM D8045		0.65		



OIL ANALYSIS REPORT





Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: 05996731

: USP0003043 : 10725091 Test Package : IND 2

Received : 02 Nov 2023 Diagnosed : 06 Nov 2023

: Doug Bogart Diagnostician

TYSON HILLSHIRE - SAINT JOSEPH

5807 MITCHELL AVE SAINT JOSEPH, MO US 64507

Contact:

T: F:

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)