

## **OIL ANALYSIS REPORT**

### Machine Id LANCASTER LEAF TOBACCO PRESS 2

Component Hydraulic System Fluid

{not provided} (--- GAL)

#### DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

#### 📥 Wear

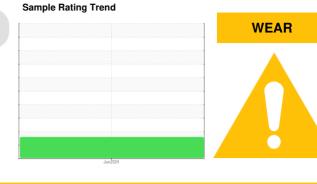
The iron level is abnormal. All other component wear rates are normal.

#### 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 acceptable for the time in service.



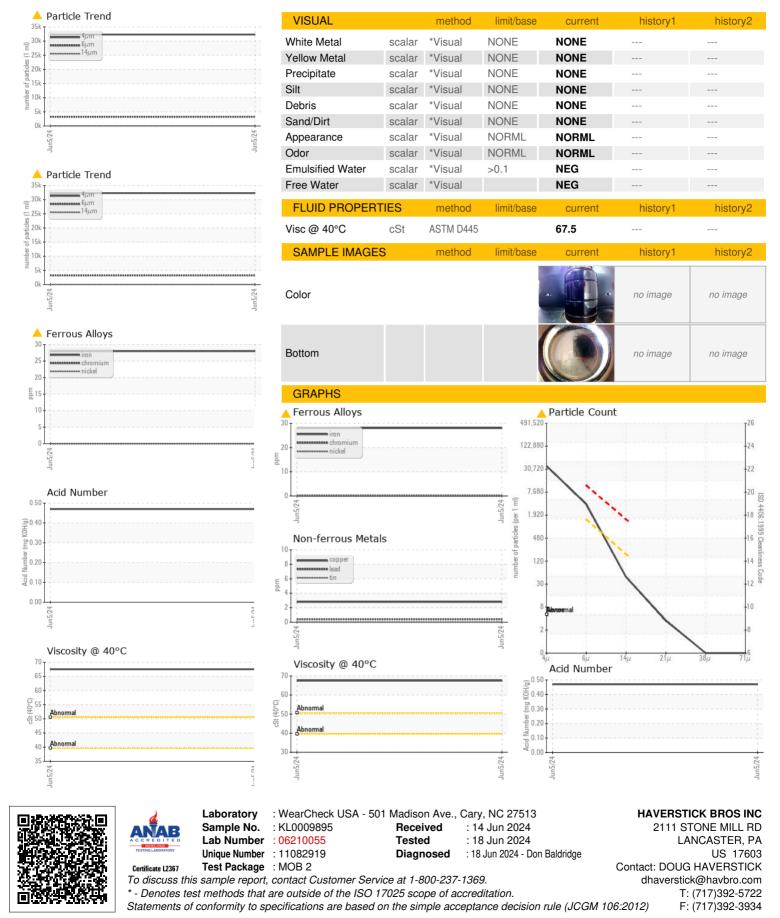
SAIVIFLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0009895		
Sample Date		Client Info		05 Jun 2024		
Machine Age	mths	Client Info		0		
Oil Age	mths	Client Info		10		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<b>A</b> 28		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	<1		
Lead	ppm	ASTM D5185m	>10	<1		
Copper	ppm	ASTM D5185m	>75	3		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		<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		<1		
Magnesium	ppm	ASTM D5185m		1		
Calcium	ppm	ASTM D5185m		124		
Phosphorus	ppm	ASTM D5185m		366		
				000		
Zinc	ppm	ASTM D5185m		442		
	ppm ppm	ASTM D5185m ASTM D5185m				
	ppm		limit/base	442 2606		
Sulfur CONTAMINANTS	ppm	ASTM D5185m method	limit/base	442 2606		
Sulfur CONTAMINANTS Silicon	ppm	ASTM D5185m method		442 2606 current		
Sulfur CONTAMINANTS Silicon Sodium	ppm ppm	ASTM D5185m method ASTM D5185m	>20	442 2606 current 4	 history1	 history2 
Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m	>20	442 2606 current 4 2 9	 history1 	 history2 
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm	ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647	>20 >20 limit/base	442 2606 current 4 2 9 current 32297	 history1  	 history2  
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method	>20 >20 limit/base	442 2606 current 4 2 9 current	 history1   history1	history2   history2
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647	>20 >20 limit/base >1300 >160	442 2606 current 4 2 9 current 32297 ▲ 3245 41	 history1   history1 	history2   history2 
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >20 limit/base >1300 >160 >40	442 2606 current 4 2 9 current 32297 ▲ 3245 41 3	 history1   history1 	 history2   history2 
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >20 limit/base >1300 >160 >40 >10	442 2606 current 4 2 9 current 32297 ▲ 3245 41 3 0	 history1   history1  	 history2   history2 
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >20 limit/base >1300 >160 >40 >10 >3	442 2606 current 4 2 9 current 32297 ▲ 3245 41 3 0 0 0	 history1   history1   	 history2   history2  
Silicon Sodium Potassium	ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >20 limit/base >1300 >160 >40 >10	442 2606 current 4 2 9 current 32297 ▲ 3245 41 3 0	 history1   history1   	 history2   history2   
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm ppm ESS	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >20 limit/base >1300 >160 >40 >10 >3	442 2606 current 4 2 9 current 32297 ▲ 3245 41 3 0 0 0 19/13	 history1   history1    	 history2   history2       

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Contact/Location: DOUG HAVERSTICK - HAVLAN



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