WEAR CONTAMINATION FLUID CONDITION **ABNORMAL ABNORMAL NORMAL**

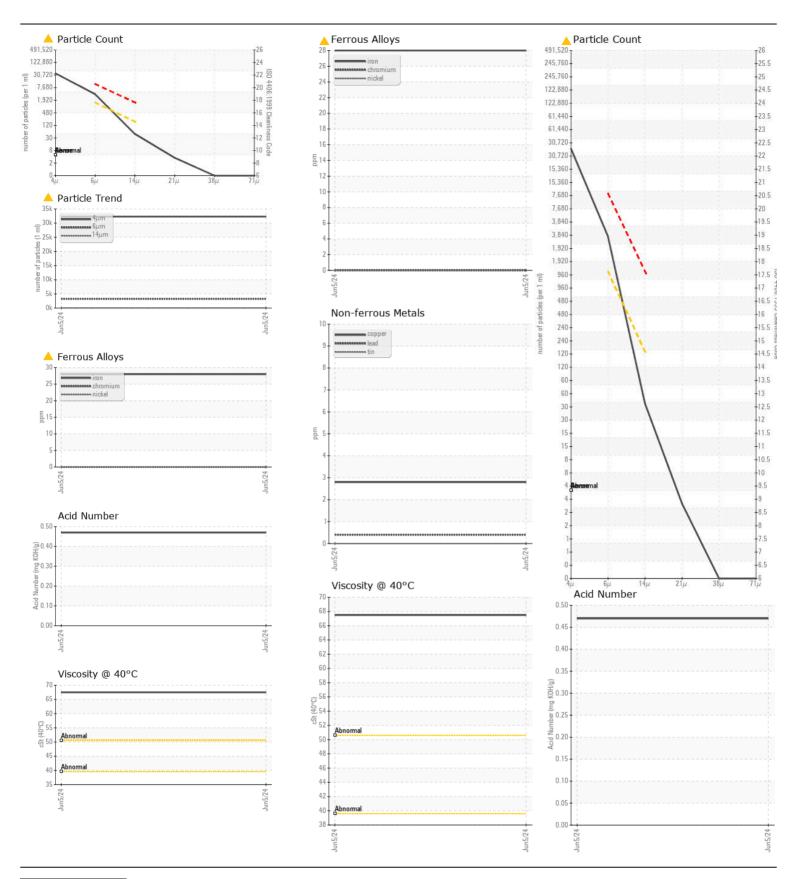
Machine Id

LANCASTER LEAF TOBACCO PRESS 2

Hydraulic System

{not provided} (--- GAL)

DECOMMENDATION	Toot	UOM	Method	Limit/Ahn	Current	Lliatomid	LliatamiO
RECOMMENDATION	Test Sample Number	UOIVI	Client Info	Limit/Abn	KL0009895	History1	History2
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.	Sample Date		Client Info		05 Jun 2024		
	Machine Age	mths	Client Info		05 Juli 2024		
	Oil Age	mths	Client Info		10		
	Filter Age	mths	Client Info		0		
	Oil Changed	1111115	Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status		Client into		ABNORMAL		
WEAR	Iron	ppm	ASTM D5185m	>20	28		
	Chromium	ppm	ASTM D5185m	>10	0		
The iron level is abnormal. All other component wear rates are normal.	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		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTABINATION	0.1.		AOTH DE LOS				
CONTAMINATION	Silicon	ppm	ASTM D5185m		4		
There is a high amount of silt (particulates < 14 microns in size) present in the oil.	Potassium	ppm	ASTM D5185m		9		
	Water		WC Method	>0.1	NEG		
	Particles >4µm		ASTM D7647	1000	32297		
	Particles >6µm		ASTM D7647		▲ 3245 41		
	Particles >14μm Particles >21μm		ASTM D7647 ASTM D7647		3		
	Particles >21µm		ASTM D7647		ა 0		
	Particles >30µm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)		△ 19/13		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water		*Visual	>0.1	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2		
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.	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		
	Zinc	ppm	ASTM D5185m		442		
	Sulfur	ppm	ASTM D5185m		2606		
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.47		
	Visc @ 40°C	cSt	ASTM D445		67.5		





Certificate L2367

Laboratory Sample No.

Lab Number : 06210055 Unique Number: 11082919 Test Package : MOB 2

: KL0009895

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

Received : 14 Jun 2024 **Tested** : 18 Jun 2024 Diagnosed

: 18 Jun 2024 - Don Baldridge

HAVERSTICK BROS INC 2111 STONE MILL RD LANCASTER, PA US 17603

Contact: DOUG HAVERSTICK

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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)

F: (717)392-3934