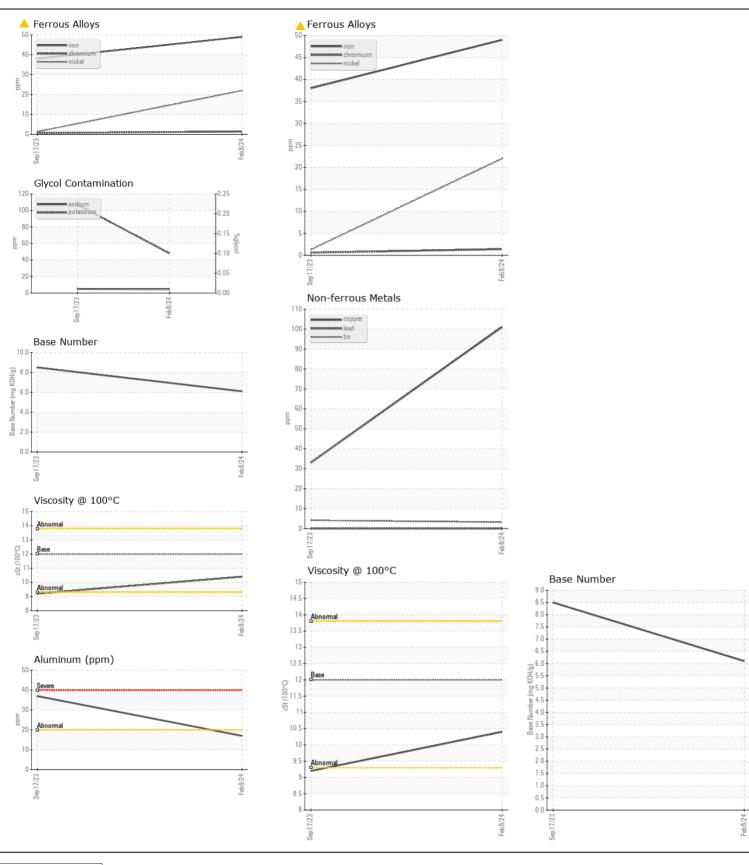
**WEAR** CONTAMINATION **FLUID CONDITION** 

**ABNORMAL** NORMAL **NORMAL** 

Machine Id 2227054

Component

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		PCA0118392	PCA0088741	
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Date		Client Info		08 Feb 2024	17 Sep 2023	
	Machine Age	mls	Client Info		20000	20000	
	Oil Age	mls	Client Info		20000	20000	
	Filter Age	mls	Client Info		20000	20000	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				ABNORMAL	ABNORMAL	
VEAR	Iron	ppm	ASTM D5185m	>100	49	38	
	Chromium	ppm	ASTM D5185m	>20	1	<1	
Valve wear is indicated. All other component wear rates are normal.	Nickel	ppm	ASTM D5185m	>4	<b>22</b>	1	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m	>3	1	17	
	Aluminum	ppm	ASTM D5185m	>20	17	37	
	Lead	ppm	ASTM D5185m	>40	0	0	
	Copper	ppm	ASTM D5185m	>330	101	33	
	Tin	ppm	ASTM D5185m	>15	3	4	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	15	<b>△</b> 56	
	Potassium	ppm	ASTM D5185m	>20	48	107	
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. No other contaminants were detected in the oil.	Fuel		WC Method	>5	<1.0	0.2	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844	>3	0.3	0.2	
	Nitration	Abs/cm	*ASTM D7624	>20	10.0	9.9	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.3	23.7	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
LUID CONDITION	Sodium	ppm	ASTM D5185m		4	5	
The PN regult indicates that there is quitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		11	169	
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		68	115	
	Manganese	ppm	ASTM D5185m		2	4	
	Magnesium	ppm	ASTM D5185m		884	676	
	Calcium	ppm	ASTM D5185m		1179	1488	
	Phosphorus	ppm	ASTM D5185m		953	685	
	Zinc	ppm	ASTM D5185m		1182	839	
	Sulfur	ppm	ASTM D5185m		2397	2307	
	Oxidation	Abs/.1mm	*ASTM D7414	>25	18.4 6.1	21.2 8.5	
	Base Number (BN)		ASTM D2896				







Certificate L2367

Laboratory Sample No.

: PCA0118392 Lab Number : 06098149 Unique Number: 10896379 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 23 Feb 2024 Received **Tested** : 25 Feb 2024

: 26 Feb 2024 - Don Baldridge Diagnosed

**PERDUE FARMS - SALISBURY** 7036 ZION CHURCH ROAD

SALISBURY, MD US 21802

Contact: RICHARD O'NEAL

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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: (410)341-2164