WEAR CONTAMINATION FLUID CONDITION

ATTENTION

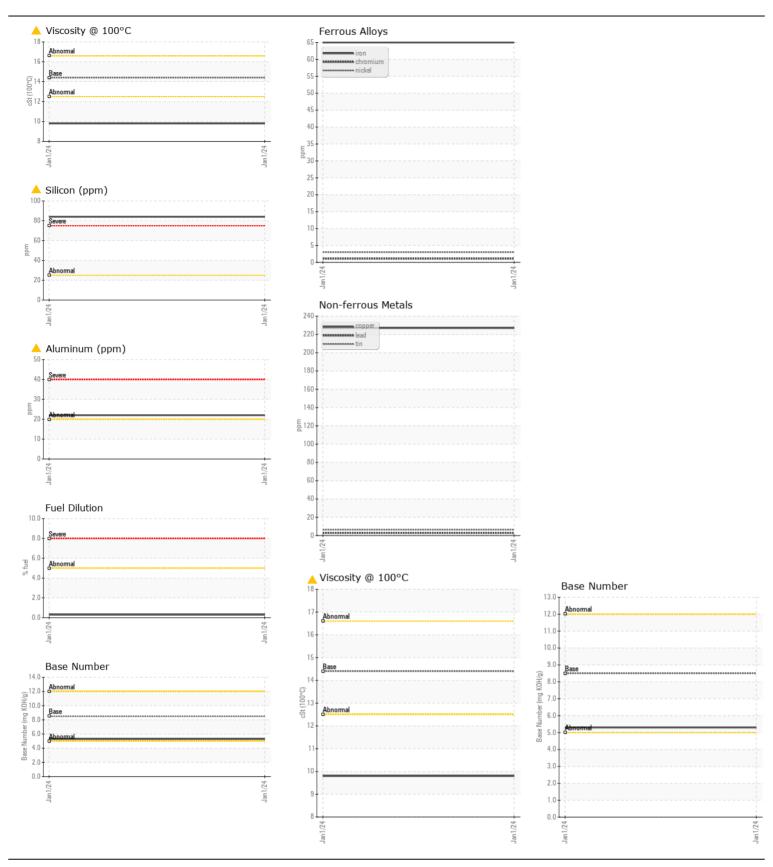
ABNORMAL

ABNORMAL

Machine Id **2327130**

Component
Diesel Engine

				Current	History1	History2
Sample Number		Client Info		PCA0106416		
Sample Date		Client Info		01 Jan 2024		
Machine Age	mls	Client Info		30000		
Oil Age	mls	Client Info		30000		
Filter Age	mls	Client Info		30000		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		Changed		
Sample Status				ABNORMAL		
Iron	ppm	ASTM D5185m	>100	65		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>4	3		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	22		
Lead	ppm	ASTM D5185m	>40	3		
Copper	ppm	ASTM D5185m	>330	227		
Tin	ppm	ASTM D5185m	>15	6		
Vanadium	ppm	ASTM D5185m		<1		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	maa	ASTM D5185m	>25	<u> 84</u>		
Potassium	• •	ASTM D5185m	>20	64		
Fuel	%			0.3		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
Soot %	%	*ASTM D7844	>3	0.6		
Nitration	Abs/cm	*ASTM D7624	>20	11.9		
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.6		
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	scalar	*Visual	>0.2	NEG		
Sodium	ppm	ASTM D5185m	>158	7		
Boron	ppm	ASTM D5185m	250	59		
Barium	ppm	ASTM D5185m	10	<1		
Molybdenum	ppm	ASTM D5185m	100	117		
Manganese	ppm	ASTM D5185m		4		
Magnesium	ppm	ASTM D5185m	450	734		
Calcium	ppm	ASTM D5185m	3000	1370		
Phosphorus	ppm			726		
Zinc	ppm			872		
Sulfur	ppm			2073		
Oxidation	Abs/.1mm			25.4		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	5.3		
	Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Oxidation	Oil Age mls Filter Age Oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Fuel % Water Glycol Soot % % Nitration Abs/.1mm Silt scalar Debris scalar Sand/Dirt scalar Sand/Dirt scalar Sand/Dirt scalar Sodium ppm Boron ppm Barium ppm Manganese ppm Magnesium ppm Calcium ppm Phosphorus Zinc ppm Sulfur ppm Oxidation Abs/.1mm	Oil Age mls Client Info Filter Age Oil Changed Client Info Oil Changed Client Info Sample Status Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Silver ppm ASTM D5185m Lead ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal scalar *Visual Yellow Metal scalar *Visual Silicon ppm ASTM D5185m Potassium ppm ASTM D5185m Fuel % ASTM D5185m Fuel % ASTM D5185m Silt scalar *Visual Sulfation Abs/.1mm *ASTM D7415 Silt scalar *Visual Sand/Dirt scalar *Visual Sand/Dirt scalar *Visual Sodium ppm ASTM D5185m Boron ppm ASTM D5185m Boron ppm ASTM D5185m Manganese ppm ASTM D5185m Manganese ppm ASTM D5185m Magnesium ppm ASTM D5185m	Oil Age mls Client Info Filter Age mls Client Info Oil Changed Client Info Filter Changed Client Info Sample Status Sample Status Iron ppm ASTM D5185m >100 Chromium ppm ASTM D5185m >20 Nickel ppm ASTM D5185m >4 Titanium ppm ASTM D5185m >3 Aluminum ppm ASTM D5185m >20 Lead ppm ASTM D5185m >40 Copper ppm ASTM D5185m >30 Tin ppm ASTM D5185m >33 Tin ppm ASTM D5185m >33 Vanadium ppm ASTM D5185m >30 Vanadium ppm ASTM D5185m >15 Vanadium ppm ASTM D5185m >20 Vallow Metal scalar *Visual NONE Silicon ppm ASTM D5185m >20	Oil Age mls Client Info 30000 Filter Age mls Client Info 30000 Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status ABNORMAL Iron ppm ASTM D5185m >100 Chromium ppm ASTM D5185m >20 1 Nickel ppm ASTM D5185m >20 1 Nickel ppm ASTM D5185m >20 1 Silver ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >20 22 Lead ppm ASTM D5185m >20 3 Copper ppm ASTM D5185m >20 3 Copper ppm ASTM D5185m >20 3 Vanadium ppm ASTM D5185m >41 NONE Walloud ppm ASTM D5185m >25 A8 Yellow Metal scalar	Dil Age





Laboratory Sample No.

Lab Number

: PCA0106416 : 06065303 **Unique Number** : 10836685

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 19 Jan 2024 Diagnosed : 24 Jan 2024

Diagnostician : Doug Bogart

Test Package: FLEET (Additional Tests: FuelDilution, PercentFuel)

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)

PERDUE FARMS INC - GARAGE

189 PERDUE WAY CANDOR, NC US 27229

Contact: Service Manager

Contact/Location: Service Manager - PERCANNC

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