WEAR CONTAMINATION **FLUID CONDITION** **ABNORMAL SEVERE ABNORMAL**

Machine Id 7953

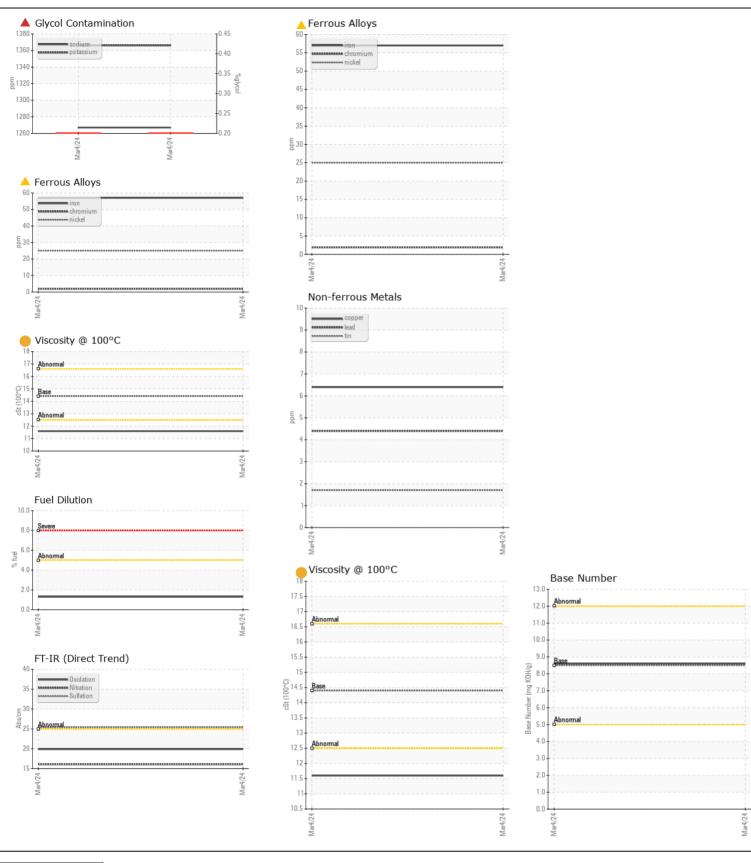
Component
Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Number		Client Info		PCA0118940		
	Sample Date		Client Info		04 Mar 2024		
	Machine Age	mls	Client Info		984600		
	Oil Age	mls	Client Info		30000		
	Filter Age	mls	Client Info		30000		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				SEVERE		
MEAD			AOTM DEGOE	400			
WEAR	Iron	ppm	ASTM D5185m		57		
Valve wear is indicated.	Chromium	ppm	ASTM D5185m		2		
	Nickel	ppm	ASTM D5185m	>4	<u>^</u> 25		
	Titanium	ppm	ASTM D5185m	0	<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		10		
	Lead	ppm	ASTM D5185m ASTM D5185m		4		
	Copper Tin	ppm	ASTM D5185m		6		
	Vanadium	ppm	ASTM D5185m	>15	2 0		
	White Metal	ppm scalar	*Visual	NONE	NONE		
	Yellow Metal		*Visual	NONE	NONE		
		scalar	VISUAI	INOINE	INOINE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	11		
Sodium and/or potassium levels are high. Fuel content negligible. There is a high concentration of glycol present in the oil.	Potassium	ppm	ASTM D5185m	>20	1366		
	Fuel	%	ASTM D3524	>5	1.3		
	Water		WC Method	>0.2	NEG		
	Glycol	%	*ASTM D2982		0.20		
	Soot %	%	*ASTM D7844	>3	0.5		
	Nitration	Abs/cm	*ASTM D7624	>20	16.1		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	25.4		
	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		
FLUID CONDITION	Sodium	ppm	ASTM D5185m	\158	1267		
I LOID CONDITION	Boron	ppm	ASTM D5185m		5		
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type. The oil is no longer serviceable due to the presence of contaminants.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		140		
	Manganese	ppm	ASTM D5185m	100	3		
	Magnesium	ppm	ASTM D5185m	450	880		
	Calcium	ppm	ASTM D5185m	3000	1094		
	Phosphorus	ppm	ASTM D5185m		964		
	Zinc	ppm	ASTM D5185m		1239		
	Sulfur	ppm	ASTM D5185m		3215		
	Oxidation	Abs/.1mm	*ASTM D7414		19.9		
	Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.6		
		_					

Visc @ 100°C cSt

11.6

ASTM D445 14.4







Certificate L2367

Laboratory Sample No.

Lab Number : 06145211

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0118940

Received **Tested** Unique Number: 10970019 Diagnosed Test Package: FLEET (Additional Tests: FuelDilution, Glycol, PercentFuel)

: 15 Apr 2024 : 15 Apr 2024 - Jonathan Hester

: 10 Apr 2024

PERDUE FARMS INC - GARAGE 189 PERDUE WAY CANDOR, NC US 27229

Contact: Service Manager

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)

T: F: