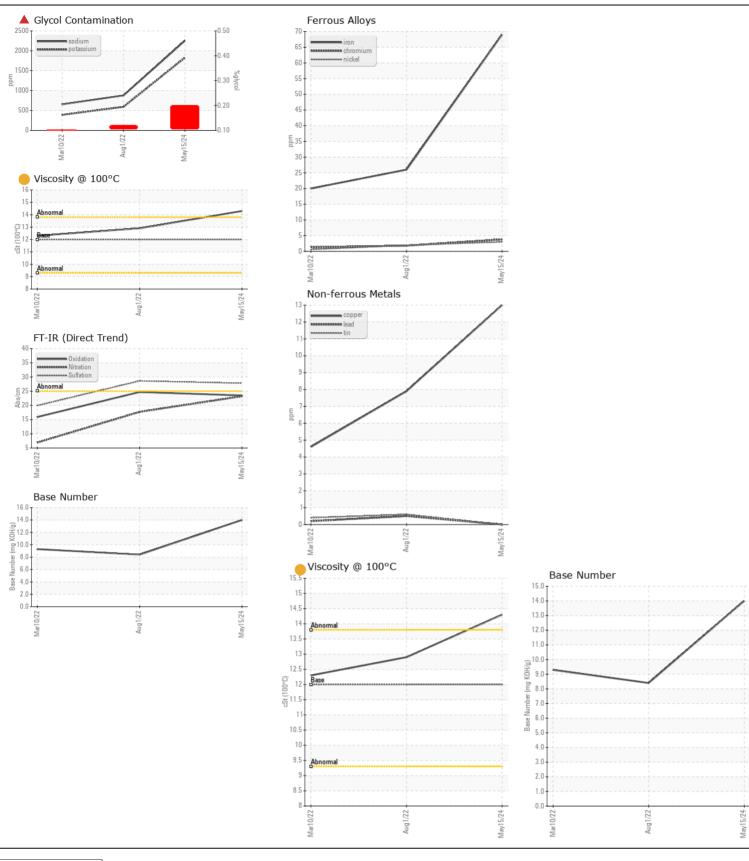
WEAR CONTAMINATION FLUID CONDITION

NORMAL SEVERE ABNORMAL

Machine Id **22294**

Component Diesel Engine

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		PCA0123633	PCA0075787	PCA006794
	Sample Date		Client Info		15 May 2024	01 Aug 2022	10 Mar 202
	Machine Age	mls	Client Info		153350	135186	129207
	Oil Age	mls	Client Info		6100	6000	8000
	Filter Age	mls	Client Info		6100	6000	8000
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				SEVERE	SEVERE	SEVERE
VEAR	Iron	ppm	ASTM D5185m	>100	69	26	20
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	4	2	1
	Nickel	ppm	ASTM D5185m		3	2	<1
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m	>3	0	<1	0
	Aluminum	ppm	ASTM D5185m		15	4	4
	Lead	ppm	ASTM D5185m	>40	0	<1	<1
	Copper	ppm	ASTM D5185m	>330	13	8	5
	Tin	ppm	ASTM D5185m	>15	0	<1	<1
	Vanadium	ppm	ASTM D5185m		0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	20	11	11
SONTAININATION	Potassium	ppm	ASTM D5185m		<u> </u>	<u></u> 590	<u></u> 388
Sodium and/or potassium levels are high. There is a high concentration of glycol present in the oil.	Fuel	ppiii	WC Method	>5	<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol	%	*ASTM D2982		▲ 0.20	▲ 0.12	▲ 0.10
	Soot %	%	*ASTM D7844	>3	0.1	0.1	0
	Nitration	Abs/cm	*ASTM D7624	>20	23.2	17.7	6.9
	Sulfation	Abs/.1mm	*ASTM D7415	>30	27.8	28.6	19.9
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2254	<u> </u>	653
	Boron	ppm	ASTM D5185m	2	20	18	16
The oil viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		186	91	85
	Manganese	ppm	ASTM D5185m	0	6	<1	<1
	Magnesium	ppm	ASTM D5185m		943	804	910
	Calcium	ppm	ASTM D5185m		1112	1017	1095
	Phosphorus	ppm	ASTM D5185m	995	963	700	874
	Zinc	ppm	ASTM D5185m	1180	1240	1111	1162
	Sulfur	ppm	ASTM D5185m	2600	3498	2615	2748
	Out deathers	Abs/.1mm	*ASTM D7414	>25	23.5	24.7	15.9
	Oxidation	AUS/. !!!!!!!	/IOTIVI D/ TIT				
	Base Number (BN)			720	14.0	8.4	9.3







Certificate L2367

Laboratory Sample No.

Test Package : FLEET

Lab Number : 06240113 Unique Number : 11128947

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : PCA0123633 : 18 Jul 2024 **Tested** : 19 Jul 2024

Diagnosed

: 19 Jul 2024 - Don Baldridge

PERDUE FARMS - DILLON 2047 HWY 9 WEST DILLON, SC US 29536

Contact: KEVIN HOOKS kevin.hooks@perdue.com T: (843)841-8069

* - 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)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

F: (843)841-8070 Submitted By: KEVIN HOOKS