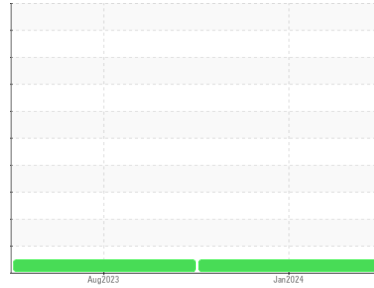


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
FLEET/DILLON
 Machine Id
Volvo (S/N 4v4nc9eh6nn603212)
 Component
Diesel Engine
 Fluid
{not provided} (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PCA0116229	PCA0104851	---
Sample Date	Client Info			12 Jan 2024	17 Aug 2023	---
Machine Age	mls	Client Info		20000	20000	---
Oil Age	mls	Client Info		20000	0	---
Oil Changed	Client Info			N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method	>0.2		NEG	NEG	---
Glycol	WC Method			NEG	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	50	32	---
Chromium	ppm	ASTM D5185m	>20	<1	<1	---
Nickel	ppm	ASTM D5185m	>4	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>20	6	20	---
Lead	ppm	ASTM D5185m	>40	1	1	---
Copper	ppm	ASTM D5185m	>330	69	148	---
Tin	ppm	ASTM D5185m	>15	2	3	---
Vanadium	ppm	ASTM D5185m		0	0	---
Cadmium	ppm	ASTM D5185m		0	0	---

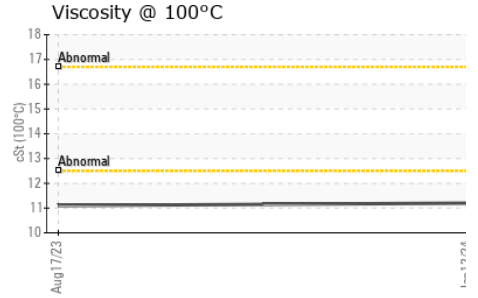
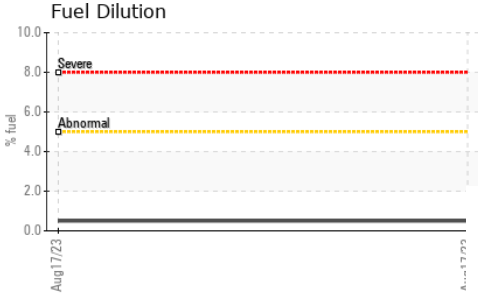
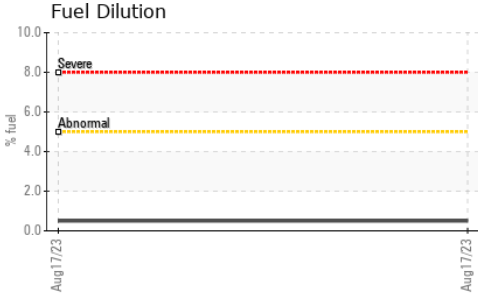
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1	4	---
Barium	ppm	ASTM D5185m		8	0	---
Molybdenum	ppm	ASTM D5185m		66	66	---
Manganese	ppm	ASTM D5185m		<1	2	---
Magnesium	ppm	ASTM D5185m		875	900	---
Calcium	ppm	ASTM D5185m		1020	1135	---
Phosphorus	ppm	ASTM D5185m		783	856	---
Zinc	ppm	ASTM D5185m		1105	1173	---
Sulfur	ppm	ASTM D5185m		2140	2827	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	12	---
Sodium	ppm	ASTM D5185m		0	2	---
Potassium	ppm	ASTM D5185m	>20	20	43	---
Fuel	%	ASTM D3524	>5	<1.0	0.5	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.6	0.5	---
Nitration	Abs/cm	*ASTM D7624	>20	15.3	10.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.6	22.1	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	27.7	18.7	---
Base Number (BN)	mg KOH/g	ASTM D2896		3.0	5.6	---

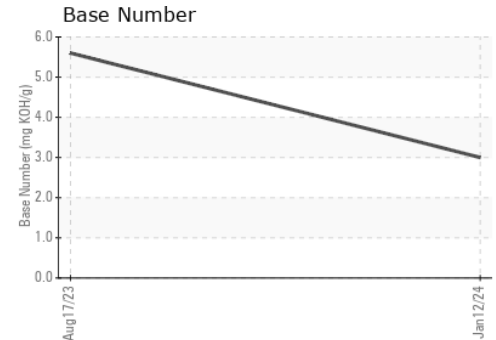
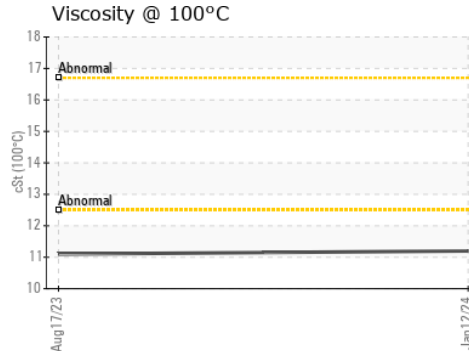
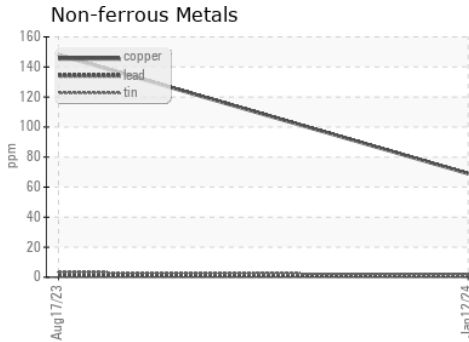
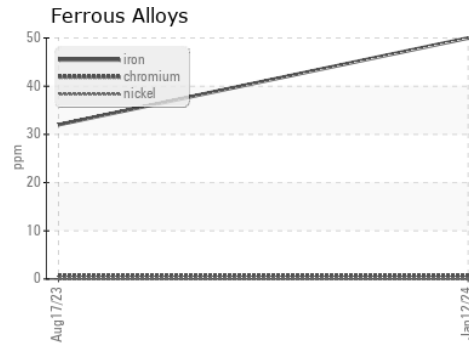
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
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	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	11.2	11.1	---

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0116229 **Received** : 14 Feb 2024
Lab Number : 06088536 **Tested** : 15 Feb 2024
Unique Number : 10875981 **Diagnosed** : 15 Feb 2024 - Jonathan Hester
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

PERDUE FARMS - DILLON
 2047 HWY 9 WEST
 DILLON, SC
 US 29536
 Contact: KEVIN HOOKS
 kevin.hooks@perdue.com
 T: (843)841-8069
 F: (843)841-8070

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)