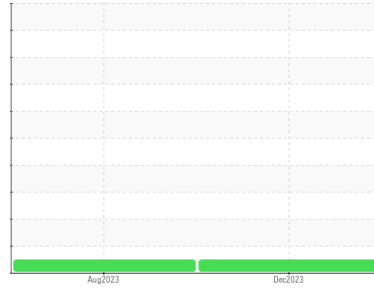


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(13320Z) Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136A61393**  
 Component  
**Diesel Engine**  
 Fluid  
**SAE 0W30 (11 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 acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0103486</b>	PCA0094990	---
Sample Date	Client Info		<b>12 Dec 2023</b>	18 Aug 2023	---
Machine Age	mls	Client Info	<b>497130</b>	464446	---
Oil Age	mls	Client Info	<b>60000</b>	45632	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<b>&lt;1.0</b>	<1.0	---
Water	WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol	WC Method		<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	<b>15</b>	21
Chromium	ppm	ASTM D5185m	>5	<b>1</b>	1
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0
Aluminum	ppm	ASTM D5185m	>30	<b>6</b>	9
Lead	ppm	ASTM D5185m	>30	<b>&lt;1</b>	<1
Copper	ppm	ASTM D5185m	>150	<b>4</b>	4
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1
Cadmium	ppm	ASTM D5185m		<b>0</b>	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>2</b>	0
Barium	ppm	ASTM D5185m		<b>0</b>	0
Molybdenum	ppm	ASTM D5185m		<b>63</b>	61
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1
Magnesium	ppm	ASTM D5185m		<b>1051</b>	999
Calcium	ppm	ASTM D5185m		<b>1154</b>	1189
Phosphorus	ppm	ASTM D5185m		<b>1140</b>	970
Zinc	ppm	ASTM D5185m		<b>1424</b>	1268
Sulfur	ppm	ASTM D5185m		<b>3155</b>	3108

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<b>5</b>	7
Sodium	ppm	ASTM D5185m	>12	<b>2</b>	2
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	8

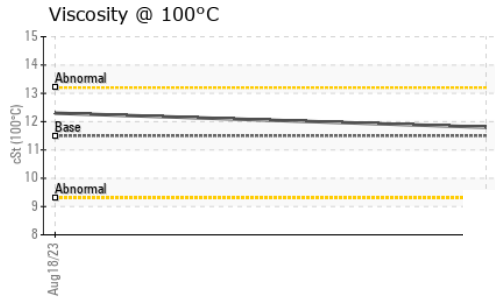
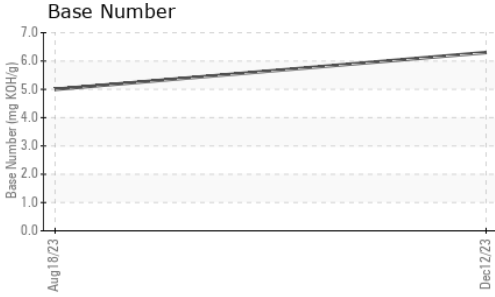
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.6</b>	0.9
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.6</b>	10.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.8</b>	23.5

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>18.1</b>	19.6
Base Number (BN)	mg KOH/g	ASTM D2896		<b>6.3</b>	5.0

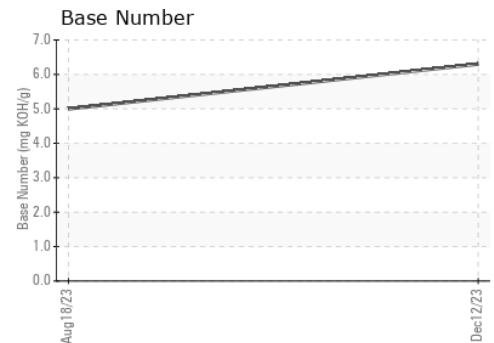
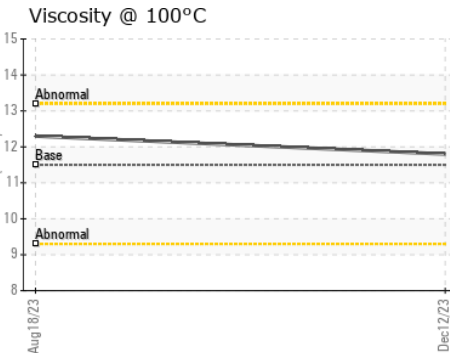
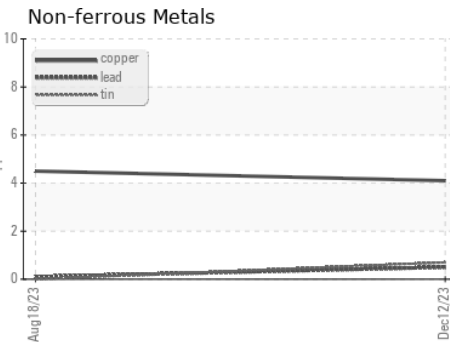
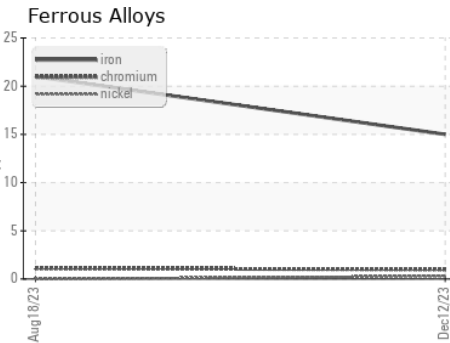
# OIL ANALYSIS REPORT



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	11.5	11.8	12.3

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0103486 **Received** : 08 Jan 2024  
**Lab Number** : 06054682 **Diagnosed** : 10 Jan 2024  
**Unique Number** : 10820631 **Diagnostician** : Sean Felton  
**Test Package** : FLEET

**Transervice - Shop 1369 - Berkeley-Waxahachie**  
 710 Ovilla Road  
 Waxahachie, TX  
 US 75167  
 Contact: Robert Beal  
 rbeal@transervice.com  
 T: (972)923-9928  
 F: (972)923-9919

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)