



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**Whiteman WBH-16EF Whiteman Concrete Buggy (S/N 1904106)**

Component  
**1 Gasoline Engine**

Fluid  
**SCHAEFFER SUPREME 7000 SAE 10W30 (1 QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample  
 Comment: Engine oil sample )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0868373</b>	WC0904088	---
Sample Date		Client Info		<b>15 May 2024</b>	23 Apr 2024	---
Machine Age	mths	Client Info		<b>61</b>	60	---
Oil Age	mths	Client Info		<b>60</b>	1	---
Filter Age	mths	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	<b>25</b>	56	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>40	<b>6</b>	9	---
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m	>155	<b>0</b>	0	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

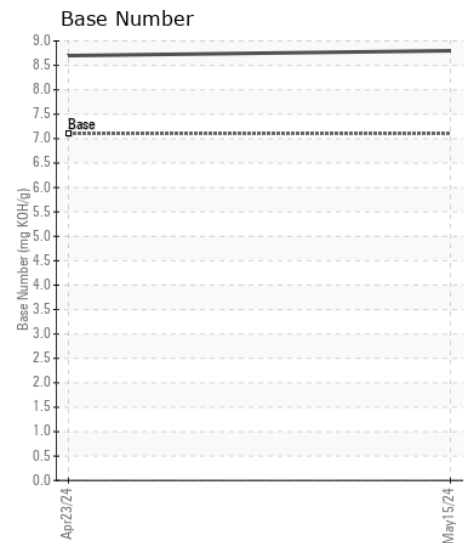
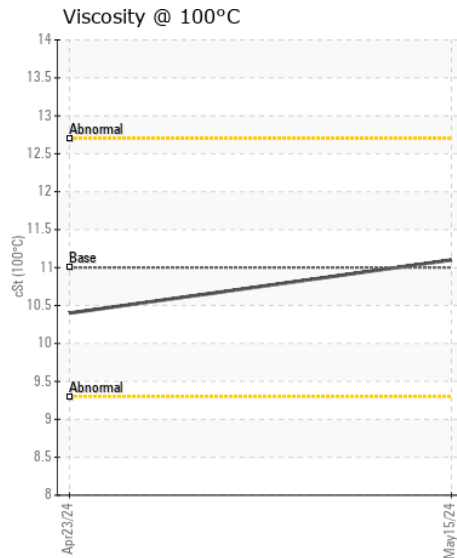
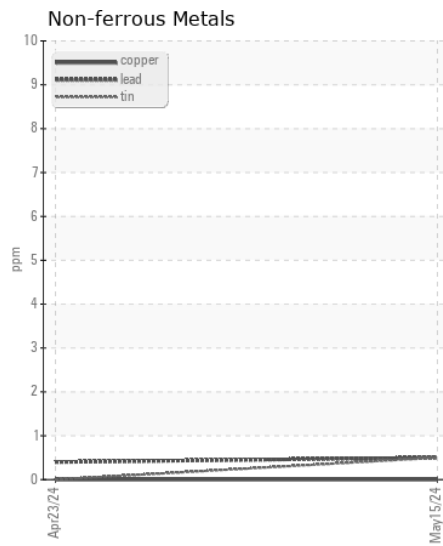
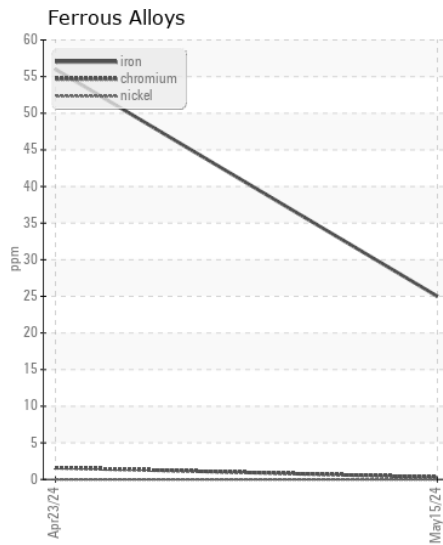
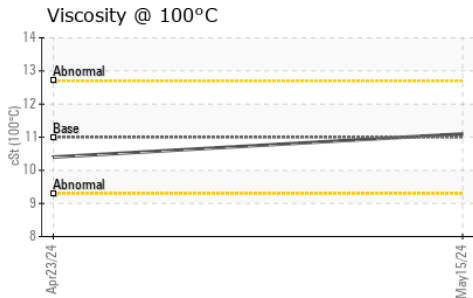
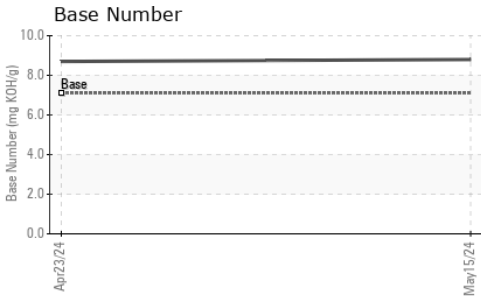
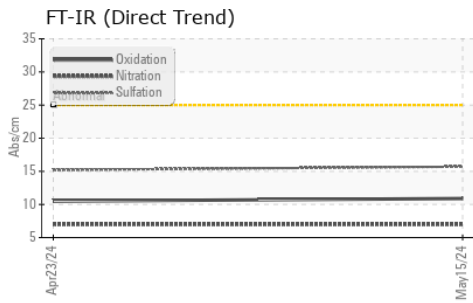
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	<b>12</b>	16	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	2	---
Fuel		WC Method	>4.0	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844		<b>0.1</b>	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.0</b>	7.0	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>15.7</b>	15.2	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---

## 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.

Sodium	ppm	ASTM D5185m	>400	<b>3</b>	2	---
Boron	ppm	ASTM D5185m	0	<b>53</b>	37	---
Barium	ppm	ASTM D5185m		<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185m	300	<b>205</b>	232	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	0	<b>546</b>	636	---
Calcium	ppm	ASTM D5185m	2025	<b>1637</b>	1735	---
Phosphorus	ppm	ASTM D5185m	900	<b>895</b>	917	---
Zinc	ppm	ASTM D5185m	1000	<b>1138</b>	1287	---
Sulfur	ppm	ASTM D5185m	2800	<b>4066</b>	4345	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>10.9</b>	10.5	---
Base Number (BN)	mg KOH/g	ASTM D2896	7.1	<b>8.8</b>	8.7	---
Visc @ 100°C	cSt	ASTM D445	11	<b>11.1</b>	10.4	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0868373 **Received** : 21 May 2024  
**Lab Number** : 06187039 **Tested** : 23 May 2024  
**Unique Number** : 11043791 **Diagnosed** : 23 May 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: TBN )

**SHIMMICK CONSTRUCTION**  
 5535 TRAILHEAD DRIVE  
 CHATTANOOGA, TN  
 US 37415  
 Contact: DANIEL LISELLA  
 daniel.lisella@shimmick.com

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)

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F: