



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

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 @ 62 months)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0868319	WC0868298	WC0868373
Sample Date		Client Info		27 Jun 2024	05 Jun 2024	15 May 2024
Machine Age	mths	Client Info		62	61	61
Oil Age	mths	Client Info		61	0	60
Filter Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	33	19	25
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>40	6	6	6
Lead	ppm	ASTM D5185m	>50	0	0	<1
Copper	ppm	ASTM D5185m	>155	0	<1	0
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

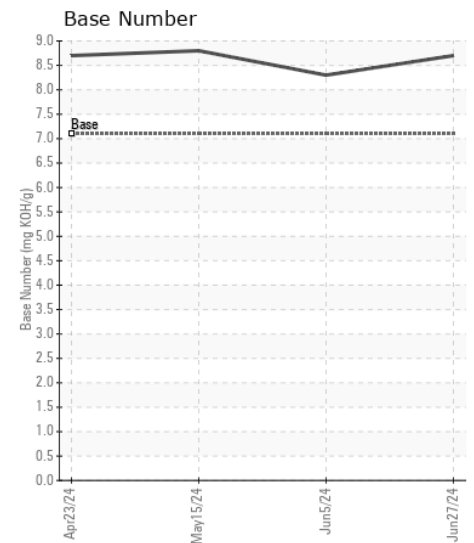
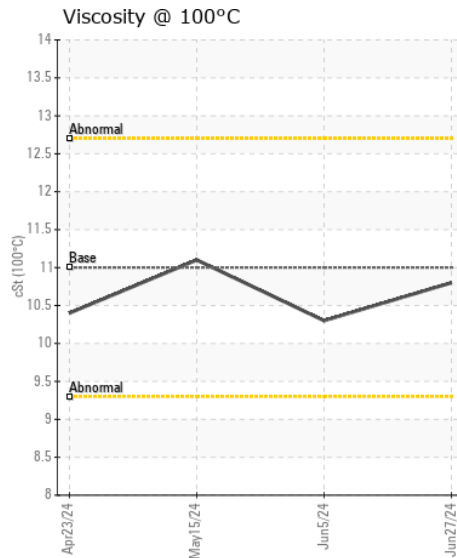
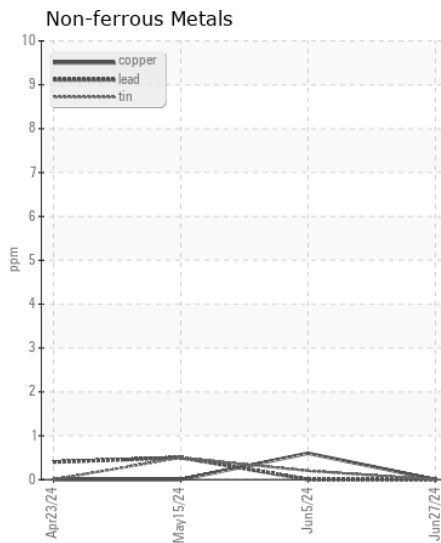
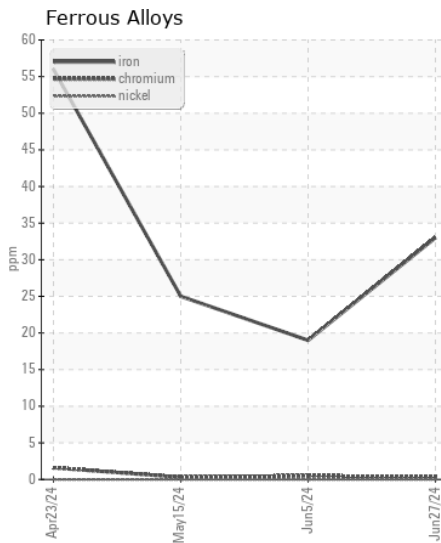
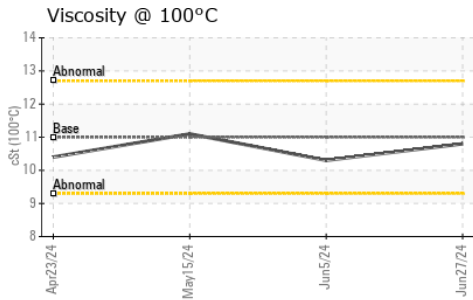
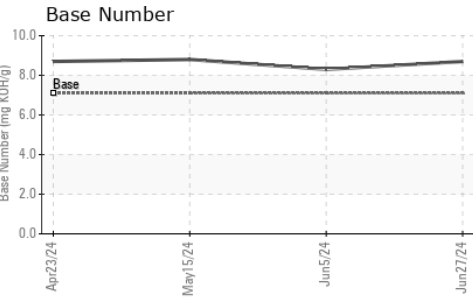
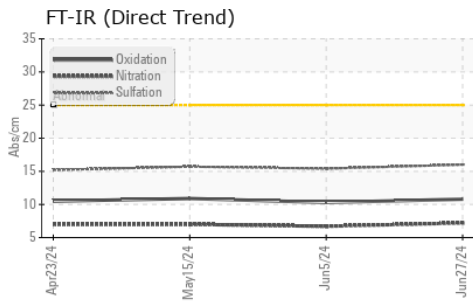
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	11	10	12
Potassium	ppm	ASTM D5185m	>20	2	2	1
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	7.2	6.7	7.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.0	15.4	15.7
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	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	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	3	6	3
Boron	ppm	ASTM D5185m	0	42	34	53
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	300	200	225	205
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m	0	539	557	546
Calcium	ppm	ASTM D5185m	2025	1615	1471	1637
Phosphorus	ppm	ASTM D5185m	900	888	773	895
Zinc	ppm	ASTM D5185m	1000	1188	1033	1138
Sulfur	ppm	ASTM D5185m	2800	4105	3443	4066
Oxidation	Abs/.1mm	*ASTM D7414	>25	10.8	10.3	10.9
Base Number (BN)	mg KOH/g	ASTM D2896	7.1	8.7	8.3	8.8
Visc @ 100°C	cSt	ASTM D445	11	10.8	10.3	11.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0868319 **Received** : 03 Jul 2024
Lab Number : 06227204 **Tested** : 05 Jul 2024
Unique Number : 11110697 **Diagnosed** : 05 Jul 2024 - Angela Borella
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: