

Machine Id 021-0136 Component Diesel Engine Fluid SCHAEFFER SUPREME 7000 (2 GAL)

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RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. (Customer Sample Comment: Engine oil sample 2243 hours)	Sample Number		Client Info		WC0868372	WC0815204	WC0750686
	Sample Date	la una	Client Info		16 May 2024	18 Sep 2023	18 Apr 2023
	Machine Age	hrs	Client Info		2243	1897	1558
	Oil Age	hrs	Client Info		1897	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	3	3	3
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	<1	0	<1
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	3	0	1
	Lead	ppm	ASTM D5185m		<1	<1	0
	Copper	ppm	ASTM D5185m	>330	<1	<1	<1
	Tin	ppm	ASTM D5185m	>15	<1	<1	0
	Vanadium	ppm	ASTM D5185m		0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
					•	4.0	
CONTAMINATION	Silicon	ppm	ASTM D5185m		8	10	8
There is no indication of any contamination in the oil.	Potassium Fuel	ppm	ASTM D5185m WC Method		2	1 <1.0	<1 <1.0
	Water		WC Method		<1.0 NEG	<1.0 NEG	<1.0 NEG
	Glycol		WC Method	>0.2	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	13	0.2	0.1	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	9.7	8.4	8.9
	Sulfation	Abs/.1mm	*ASTM D7024		19.7	17.2	17.5
	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		*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1	2	2
The DN requiring instant that there is quitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		92	83	87
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		<1	0	0
	Molybdenum	ppm	ASTM D5185m	50	71	74	72
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		16	36	19
	Calcium	ppm	ASTM D5185m		2087	2131	2143
	Phosphorus	ppm	ASTM D5185m		1105	1006	1001
	Zinc	ppm	ASTM D5185m		1222	1218	1174
	Sulfur	ppm	ASTM D5185m		5550	5791	5903
	Oxidation	Abs/.1mm	*ASTM D7414	>25	16.6	13.7	14.1

Base Number (BN) mg KOH/g ASTM D2896 10

ASTM D445 15

Visc @ 100°C cSt

6.0

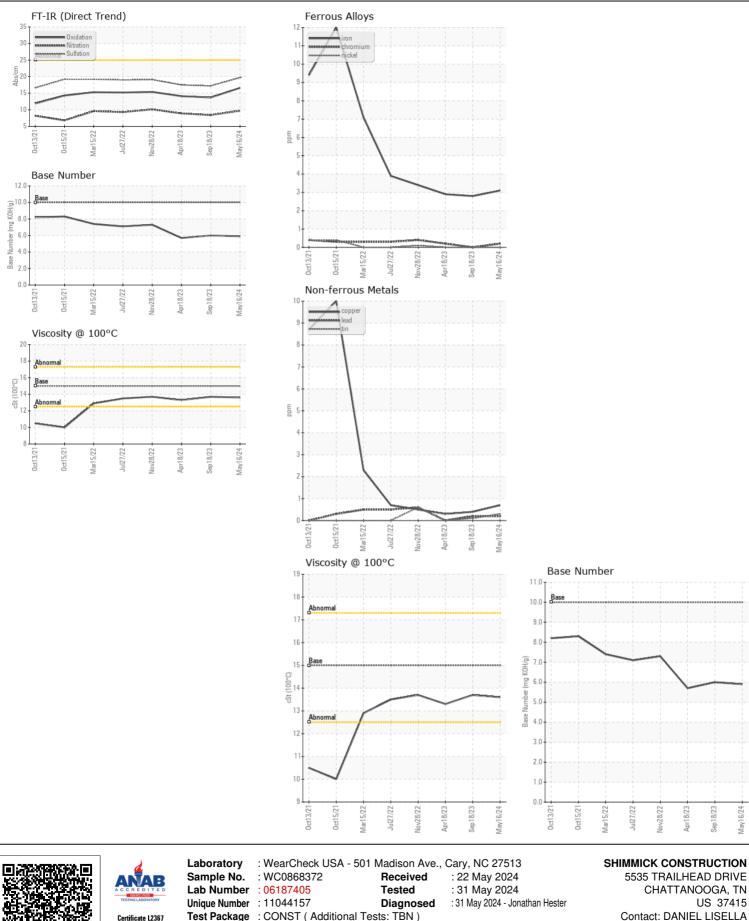
13.7

5.9

13.6

5.7

13.3



Test Package : CONST (Additional Tests: TBN) Certificate L2367

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)

Submitted By: TECH TECHNICIAN Page 2 of 2

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