

## Machine Id **TOYOTA 2017 TOYOTA SIENNA** Component **Gasoline Engine** Fluid **TRC PRO-SPEC MULTI-VIS SB 5W20 (6 QTS) BECOMMENDATION**

The filter change at the time of sampling has been noted. Resample at
the next service interval to monitor.

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WEAR

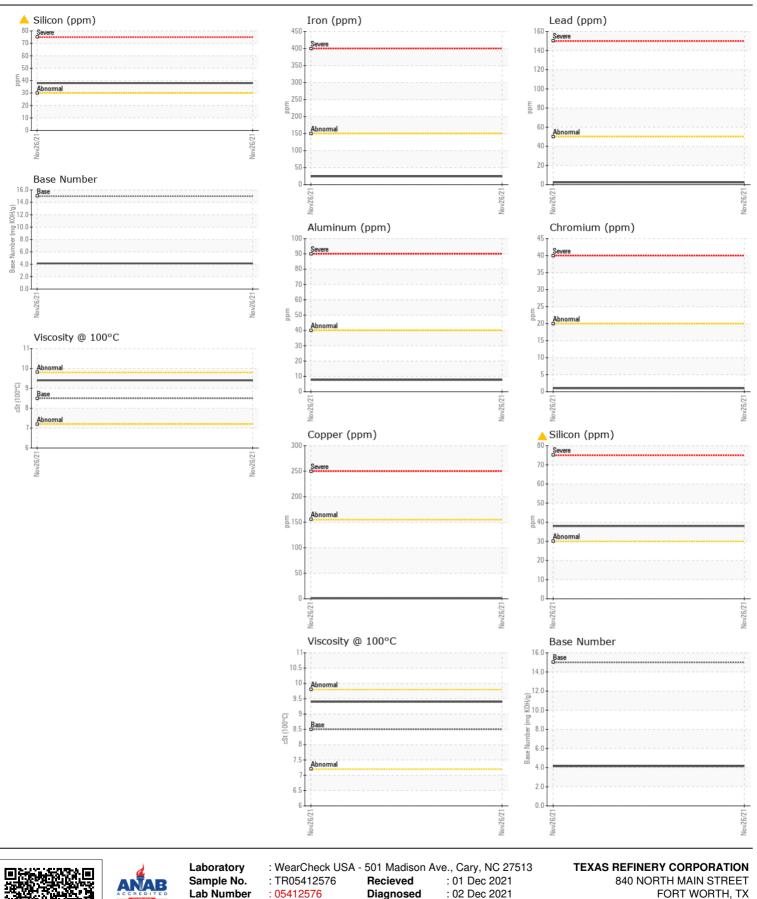
Elemental level of silicon (Si) above normal.

All component wear rates are normal.

## **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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR05412576		
Sample Date		Client Info		26 Nov 2021		
Machine Age	mls	Client Info		89386		
Oil Age	mls	Client Info		18136		
Filter Age	mls	Client Info		9920		
Oil Changed		Client Info		Not Changd		
Filter Changed		Client Info		Changed		
Sample Status				ABNORMAL		
Iron	ppm	ASTM D5185m	>150	24		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>40	8		
Lead	ppm	ASTM D5185m	>50	2		
Copper	ppm	ASTM D5185m	>155	1		
Tin	ppm	ASTM D5185m	>10	1		
Vanadium	ppm	ASTM D5185m		<1		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>30	<b>A</b> 38		
Potassium	ppm	ASTM D5185m	>20	2		
Fuel		WC Method	>4.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
Soot %	%	*ASTM D7844		0.1		
Nitration	Abs/cm	*ASTM D7624	>20	14.2		
Sulfation	Abs/.1mm	*ASTM D7415	>30	28.4		
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		
Cardiuma		ASTM D5185m	>400	F		
Sodium	ppm		>400	5		
Boron	ppm	ASTM D5185m		19		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		167		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	1200	497		
Calcium	ppm	ASTM D5185m	4200	1659 757		
Phosphorus	ppm	ASTM D5185m	800	757		
Zinc	ppm	ASTM D5185m	800	883		
Sulfur	ppm	ASTM D5185m	05	2038		
Oxidation	Abs/.1mm	*ASTM D7414	>25	26.6		
Base Number (BN)	mg KOH/g	ASTM D2896	15	4.14		
Visc @ 100°C	cSt	ASTM D445	8.5	9.4		



Lab Number : 02 Dec 2021 : 05412576 Diagnosed Unique Number : 9761764 : Don Baldridge Diagnostician Test Package : MOB 2 Contact: RICKY UNRUH Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-827-0711. GOTTRC1@GMAIL.COM \* - 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)

Contact/Location: RICKY UNRUH - TEXFOR

US 76164

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