



# OIL REPORT

LAB NUMBER: K19971  
 REPORT DATE: 5/15/2018  
 CODE: 20/685

UNIT ID: 89 944T  
 CLIENT ID: 34578  
 PAYMENT: CC: Visa

<b>UNIT</b>	MAKE/MODEL: Porsche 2.5L I-4 Turbo	OIL TYPE & GRADE: Mobil 1 15W/50
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,146 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	

**COMMENTS** GRANT: Your Porsche is aging like a fine wine. This is the longest oil run you sampled so far, and the wear rates (how much metal the engine made per mile) are at new lows on the page. That's a good sign that internal parts are still getting along just fine and didn't mind the longer oil run one bit. The oil held up nicely for you. The viscosity is right where it should be for used 15W/50 and a TBN of 5.7 shows a lot of active additive to spare. No harmful contamination showed up. Clearly this Porsche is in capable hands. Nice work!

	MI/HR on Oil	4,146	UNIT / LOCATION AVERAGES	177	2,000				UNIVERSAL AVERAGES
	MI/HR on Unit	93,898		89,752	89,575				
	Sample Date	5/6/2018		3/2/2013	4/7/2012				
	Make Up Oil Added	1 qt							
<b>ELEMENTS IN PARTS PER MILLION</b>	ALUMINUM	3	3	2	3				4
	CHROMIUM	1	1	0	1				2
	IRON	6	4	2	5				7
	COPPER	7	5	2	6				6
	LEAD	1	1	1	2				4
	TIN	0	0	0	0				1
	MOLYBDENUM	76	81	79	88				66
	NICKEL	0	0	0	0				0
	MANGANESE	0	0	0	0				2
	SILVER	0	0	0	0				0
	TITANIUM	0	0	0	0				0
	POTASSIUM	1	1	0	2				2
	BORON	78	83	83	87				64
	SILICON	5	5	4	7				6
	SODIUM	5	3	2	3				53
	CALCIUM	1090	1635	1456	2358				1966
	MAGNESIUM	714	440	466	140				290
	PHOSPHORUS	1073	1082	1091	1082				976
	ZINC	1202	1184	1156	1194				1136
BARIIUM	0	0	0	0				0	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	79.6	75-90	83.8	80.3			
	cSt Viscosity @ 100°C	15.43	14.3-18.2	16.46	15.61			
	Flashpoint in °F	390	>380	420	395			
	Fuel %	<0.5	<2.0	<0.5	<0.5			
	Antifreeze %	0.0	0.0	0.0	0.0			
	Water %	0.0	0.0	0.0	0.0			
	Insolubles %	0.2	<0.6	0.2	0.3			
	TBN	5.7	>1.0	9.3	7.1			
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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