

OIL REPORT **LAB NUMBER:** K84265 **REPORT DATE:** 1/10/2019

UNIT ID: 02 911 C4S

CLIENT ID: 69533

PAYMENT: CC: Visa

ΕN

MAKE/MODEL: Porsche 3.6L H-6

FUEL TYPE: Gasoline (Unleaded)

ADDITIONAL INFO:

WAYNE JANG

415 RIVER ROAD

HAMDEN, CT 06518

OIL TYPE & GRADE: Quaker State Ultimate Durability Syn

OIL USE INTERVAL: 3,923 Miles

PHONE: (203) 395-0965

CODE: 107/685

FAX:

ALT PHONE:

EMAIL: waynejang@hotmail.com

OMMENTS

WAYNE: Aluminum is back in line this time. 4 ppm is the average amount of aluminum we find from this type of engine so we aren't too concerned, but the fact that it isn't as steady as it could be causes pause. We'll continue to monitor it from our end and hopefully it stays around this level. Other metals look great and don't show any obvious issues for your Porsche. The air filter did a good job with airborne dirt (see silicon) and the oil filter kept oxidized solids in check (see insolubles). The TBN was strong at 5.0 - lots of active additive left. Try 5K miles again if you'd like.

	MI/HR on Oil	3,923		3,692	2,659	4,673	2,935	2,231	
	MI/HR on Unit	88,744	UNIT / LOCATION AVERAGES	84,821	81,129	75,073	70,400	67,111	UNIVERSAL
	Sample Date	12/26/2018		8/10/2018	,	9/22/2017	5/25/2017	3/21/2017	AVERAGES
	Make Up Oil Added	2.75 qts		2 qts	2 qts	3 qts	2 qts		AVERAGES
	Make Op Oil Added	2.75 qts		2 પાંડ	2 4 18	૩ પાંડ	2 4 19	1 qt	
Z	ALUMINUM	4	10	13	9	7	6	17	4
10	CHROMIUM	0	0	0	0	0	0	1	1
MILL	IRON	6	9	7	7	6	7	9	10
\sim	COPPER	3	3	2	2	3	2	2	7
ER	LEAD	0	0	0	0	0	0	0	3
Д	TIN	0	1	0	0	0	0	0	1
3	MOLYBDENUM	484	250	284	716	245	385	7	81
R	NICKEL	0	0	0	0	0	0	0	0
ΡA	MANGANESE	0	3	0	0	1	1	2	1
Z	SILVER	0	0	0	0	0	0	0	0
= S	TITANIUM	0	2	0	0	0	0	1	1
ř	POTASSIUM	1	1	1	2	0	1	1	3
	BORON	297	187	254	362	57	423	58	115
ΕM	SILICON	6	8	8	13	5	8	8	7
ä	SODIUM	5	7	6	13	6	5	4	10
ш	CALCIUM	2415	2769	2655	2714	2558	2831	2533	2547
	MAGNESIUM	10	51	11	8	11	18	21	112
	PHOSPHORUS	800	962	979	1111	902	964	898	909
	ZINC	921	1111	1135	1229	994	1130	1026	1040
	BARIUM	0	0	0	0	0	0	0	0

Values

Should Be*

SUS Viscosity @ 210°F	77.7	66-89	73.1	89.2	75.5	69.2	69.7
cSt Viscosity @ 100°C	14.95	11.9-18.0	13.76	17.78	14.39	12.73	12.87
Flashpoint in °F	415	>385	415	445	440	405	405
Fuel %	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5
Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Insolubles %	0.3	<0.6	0.2	0.2	0.1	0.3	0.1
TBN	5.0	>1.0	6.3		5.6	6.5	6.6
TAN							
ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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