



OIL REPORT

LAB NUMBER: K70027 UNIT ID: 06 CARRERA S
 REPORT DATE: 11/13/2018 CLIENT ID: 58411
 CODE: 20/32 PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Porsche 3.8L H-6	OIL TYPE & GRADE: Miller's CFS NT 5W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 6,000 Miles
	ADDITIONAL INFO:	

CLIENT	
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COMMENTS MARK: Your Carrera S continues to look good and healthy after this latest round of testing. This is the longest oil run on the page, yet metals aren't any higher than in the past, so internal parts were getting along quite nicely during this period. Silicon is over twice the average, but that's not anything to worry about. The Miller's oil actually contains about 8 ppm of silicon as anti-foaming additive, so your high silicon level isn't indicative of dirt ingestion. And the fact that wear is in such good shape, supports that. No fuel or coolant was found, and the viscosity is in spec. Nice report!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	6,000	UNIT / LOCATION AVERAGES	3,500	1,200	3,000	5,000	UNIVERSAL AVERAGES
	MI/HR on Unit	92,000		90,000	81,230	57,000	55,000	
	Sample Date	10/4/2018		3/16/2018	9/1/2016	6/17/2013	3/14/2013	
	Make Up Oil Added	1 qt		2 qts	0.50 qts	0 qts	0.75 qt	
ALUMINIUM	2	3	2	3	4	5	5	
CHROMIUM	1	1	0	0	1	1	1	
IRON	7	7	4	7	8	10	9	
COPPER	5	4	3	2	5	6	8	
LEAD	1	0	0	0	0	1	3	
TIN	0	1	0	1	0	2	1	
MOLYBDENUM	722	300	659	1	24	93	79	
NICKEL	2	2	1	1	2	3	0	
MANGANESE	0	0	0	0	0	0	1	
SILVER	0	0	0	0	0	0	0	
TITANIUM	0	0	0	0	0	0	0	
POTASSIUM	1	3	3	4	3	3	2	
BORON	75	85	77	43	79	153	126	
SILICON	14	7	12	4	3	4	6	
SODIUM	13	9	12	5	5	8	9	
CALCIUM	2543	2379	2492	2342	2375	2143	2725	
MAGNESIUM	18	14	12	12	13	16	54	
PHOSPHORUS	1399	1097	1375	859	908	945	923	
ZINC	1026	1022	994	1008	952	1130	1053	
BARIUM	0	0	0	0	0	0	0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	72.6	65-78	72.8	66.0	69.3	66.2
	cSt Viscosity @ 100°C	13.64	11.6-15.3	13.69	11.87	12.76	11.95
	Flashpoint in °F	390	>385	430	390	420	405
	Fuel %	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5
	Antifreeze %	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
	Insolubles %	0.1	<0.6	0.1	0.2	0.2	0.2
	TBN			7.1			
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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