



OIL REPORT

LAB NUMBER: N85772

UNIT ID: 15 CAYENNE

REPORT DATE: 9/16/2021

CLIENT ID: 131583

CODE: 63/698

PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Porsche 3.0L TDI V-6	OIL TYPE & GRADE: Rowe 5W/30
	FUEL TYPE: Diesel	OIL USE INTERVAL: 9,376 Miles
	ADDITIONAL INFO:	

CLIENT	RICHARD COTE	PHONE: (518) 774-6385
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	APT N505	ALT PHONE:
	JUPITER, FL 33477	EMAIL: hawkpilot6060@yahoo.com

COMMENTS RICHARD: We have no reservations about running this Cayenne's oil 10K miles, or even 11K miles between oil changes. Wear levels have looked good for a while now and this latest sample turned out even a bit better than usual. That is, the cylinder-area metals (aluminum, chrome, and iron) ended up lower, and copper (bronze) was roughly steady. There's no obvious mechanical trouble, and the thick viscosity is nothing new. We didn't have enough oil to test for fuel, but historically it hasn't been an issue, so we doubt it is now. The TBN shows active additive left. Nice trends!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	9,376	UNIT / LOCATION AVERAGES	9,137	7,400	5,000	5,000	UNIVERSAL AVERAGES
	MI/HR on Unit	75,906		66,530	57,393	49,977	45,100	
	Sample Date	9/1/2021		11/30/2020	11/2/2019	2/16/2019	9/23/2018	
	Make Up Oil Added	0 qts		0 qts	0 qts	0 qts		
ALUMINUM	9	9	14	7	7	18	9	
CHROMIUM	3	3	4	3	3	5	2	
IRON	56	58	68	52	57	112	48	
COPPER	4	4	3	3	4	7	4	
LEAD	0	0	0	0	0	0	0	
TIN	2	1	2	0	0	0	0	
MOLYBDENUM	4	11	5	7	29	91	66	
NICKEL	5	6	8	5	7	16	4	
MANGANESE	1	1	1	0	0	1	1	
SILVER	0	0	0	0	0	0	0	
TITANIUM	0	0	0	0	0	2	0	
POTASSIUM	8	5	3	6	4	22	9	
BORON	10	93	52	239	73	85	134	
SILICON	4	4	5	3	4	6	6	
SODIUM	8	4	3	3	3	5	4	
CALCIUM	1527	1654	1718	1537	1835	1100	1519	
MAGNESIUM	9	15	9	14	28	63	37	
PHOSPHORUS	654	731	790	664	814	712	740	
ZINC	755	848	961	773	904	806	842	
BARIUM	0	0	0	0	0	0	0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	68.4	57-65	67.9	66.3	68.4	69.2
	cSt Viscosity @ 100°C	12.53	9.4-11.9	12.39	11.97	12.53	12.75
	Flashpoint in °F	SHORT	>410	465	435	440	SHORT
	Fuel %	-	<2.0	<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 %	0.3	<0.6	0.3	0.2	0.2	0.2
	TBN	3.4	>1.0	4.2	4.9		
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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