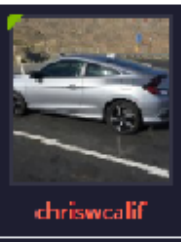


UNIT

MAKE/MODEL: Honda 1.5L DI Turbo
 FUEL TYPE: Gasoline (Unleaded)
 ADDITIONAL INFO: Touring

OIL TYPE & GRADE: 0W/20
 OIL USE INTERVAL: 2,100 Miles



I received the analysis of the oil from my 3 week old 1.5 L turbo coupe at 2100 miles. The first 600 miles were primarily twisty back roads with lots of elevation change. After that it was mostly freeway miles with a 600 mile round trip to Death Valley. I saw a very slight rise in the oil level on the dipstick which was confirmed by the slight fuel dilution of the oil. This I've read is typical of a direct injection engine but should diminish as the rings continue to seat. I do my own maintenance and changed the oil to Mobil 1 EP 0W20 with a Honda Filtech oil filter.

COMMENTS

CHRIS: We don't have very strong averages for these new 1.5L Turbo engines to use for comparison, but we see enough factory oil samples to say that nothing here looks like a problem. At least some of the iron and copper in this sample is from new parts building tolerances, and you should find improvements at those metals next time. Silicon will also start to drop as residual sealers are washed out of your new Honda. Eventually wear will stabilize and you'll see steady trends develop, and we look forward to that. Fuel at this level isn't an issue. Just check back.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	2,100	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	2,100							
	Sample Date	5/8/2016							
	Make Up Oil Added	0 qts							
	ALUMINUM	7		7					
	CHROMIUM	0		0					
	IRON	21		21					
	COPPER	26		26					
	LEAD	0		0					
	TIN	0		0					
	MOLYBDENUM	659		659					
	NICKEL	0		0					
	MANGANESE	26		26					
	SILVER	0		0					
	TITANIUM	0		0					
	POTASSIUM	5		5					
	BORON	210		210					
	SILICON	232		232					
	SODIUM	11		11					
	CALCIUM	1816		1816					
	MAGNESIUM	8		8					
	PHOSPHORUS	678		678					
	ZINC	745		745					
	BARIUM	6		6					

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	47.2	46-56				
	cSt Viscosity @ 100°C	6.40	6.0-9.4				
	Flashpoint in °F	360	>385				
	Fuel %	1.3	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	<0.1				
	Insolubles %	0.2	<0.6				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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