Report of the Month

Check out this 2009 Ford Focus! Do you see any problems?

To learn more about where the elements are coming from, click here.

MAKE/MODEL: Ford 2.0L 4-cyl Durated FUEL TYPE: Gasoline (Unleaded)

OIL TYPE & GRADE: Mobil 1 High Mileage 5W/20

OIL USE INTERVAL: 7,863 Miles

ADDITIONAL INFO:

Congrats on getting half a million miles on your Focus. That's pretty darn impressive and the engine is showing no signs of slowing down that we can see. The metals are still low, steady, and properly balanced compared to past samples and universal averages. There is no fuel or coolant contamination to worry about and the air and oil filters had no trouble keeping silicon and insolubles under control. The TBN is 4.9, showing active additive left for a longer run. Try 10,000 miles on the next oil and just keep driving!

	MI/HR on Oil	7,863	UNIT /	8,200	7,720	5,000		
	MI/HR on Unit	500,649	LOCATION	452,280	365,280	350,000		UNIVERSAL
	Sample Date	1/31/2020	AVERAGES	7/29/2019	4/27/2018	3/9/2018		AVERAGES
Z	Make Up Oil Added			0 qts		0 qts		
_ 2								
MILLION	ALUMINUM	2	2	2	1	3		3
≥	CHROMIUM	0	0	0	0	1		1
	IRON	8	8	7	7	8		9
똢	COPPER	0	0	0	0	0		3
<u>a</u>	LEAD	0	0	1	0	0		0
	TIN	0	0	0	0	0		0
TS.	MOLYBDENUM	70	73	70	78	72		88
PAR	NICKEL	0	0	0	0	0		0
<u>a</u>	MANGANESE	0	1	0	2	0		1
	SILVER	0	0	0	0	0		0
Z	TITANIUM	0	0	0	0	0		2
	POTASSIUM	2	2	2	2	2		1
35	BORON	47	55	45	61	66		68
EMEN	SILICON	4	23	7	13	67		18
₹	SODIUM	5	6	7	6	4		25
Ш	CALCIUM	1022	1042	1050	1159	935		1837
	MAGNESIUM	700	703	685	788	639		297
	PHOSPHORUS	653	677	655	739	661		720
	ZINC	727	745	734	837	682		826
	BARIUM	0	0	0	0	0		1

Values Should Be*

	SUS Viscosity @ 210°	56.7	46-57	56.3	55.7	56.5	
	cSt Viscosity @ 100°C	9.28	6.0-9.7	9.15	8.98	9.20	
ΞS	Flashpoint in °F	435	>385	425	440	420	
	Fuel %	<0.5	<2.0	<0.5	<0.5	40.5	
品	Antifreeze %	0.0	0.0	0.0	0.0	0.0	
ä	Water %	0.0	0.0	0.0	0.0	0.0	
Q	Insolubles %	0.2	<0.6	0.2	0.3	0.2	
뚭	TBN	4.9	>1.0				
	TAN						
	ISO Code						

^{*} THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

This engine is still going strong! We don't limit our extended oil use recommendations to young cars. This sturdy little Ford Focus is still wearing nicely at 500K miles, and since the TBN is strong, metals look good, the filters are functioning well, and no significant contamiation is present, we're suggesting the owner go on up to 10,000 miles for the next oil change. We see a fair number of high-mileage engines these days. They don't necessarily require special oil, or anything other than routine maintenance. If yours is getting up there and the doors haven't fallen off, send us a sample to see how the engine looks!