

OIL REPORT LAB NUMBER: F12813

REPORT DATE: 7/27/2012

CODE: 63/501

UNIT ID: 11 F150

CLIENT ID:



MAKE/MODEL: Ford 3.5L V-6 Ecoboost Twin Turbo

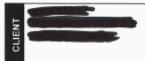
FUEL TYPE: Gasoline (Unleaded)

ADDITIONAL INFO:

OIL TYPE & GRADE: OIL USE INTERVAL:

Castrol Edge Titanium 5W/30

4,909 Miles



PHONE: FAX: ALT PHONE: EMAIL:

JOHN: This oil's additive package doesn't match your virgin sample perfectly, but that's because there always is some carryover from sample to sample since you never get all the oil out of an engine in just one shot. It might take one or two more oil changes before the additives match your virgin sample. That's okay, though. This oil mix is working well for you. Metals are a little lower than last time despite a slightly longer run. Perhaps that's because there was still some wear-in stuff to wash out. The TBN is fine at 3.9. Go up to 7,000 miles next.

4,909 19,949 07/19/12 0 qts 5 0	UNIT/ LOCATION AVERAGES	4,629 13,203 03/05/12					UNIVERSAL AVERAGES
07/19/12 0 qts 5	LOCATION AVERAGES						
0 qts 5	AVERAGES	03/05/12					AVERAGES
5		7					
0	6	7		-	-		
	1						5
12							1
	18	24					19
24	29	33					34
1	1	1					1
4	3	1					1
73	70	66					71
0	1	1					0
9	15	21					9
0	0	0					0
38	19	0					6
3	4	5					4
27	65	102					93
14	21	27					21
5	6	6					6
946	1494	2042					2095
1228	620	11					157
622	646	670					661
834	837	839					775
0	1	1					1
	24 1 4 73 0 9 0 0 38 3 27 14 5 6 6 22 8 34	24 29 1 1 1 4 3 73 70 0 1 9 15 0 0 38 19 3 4 27 65 14 21 5 6 946 1494 1228 620 622 646 834 837 0 1	24 29 33 1 1 1 1 4 3 1 1 73 70 66 0 1 1 1 9 15 21 0 0 0 0 3 4 5 21 0 1 1 1 0	24 29 33 1 1 1 1 4 3 1 73 70 66 0 1 1 1 9 15 21 0 0 0 0 38 19 0 3 4 5 27 65 102 14 21 27 5 6 6 946 1494 2042 1228 620 11 622 646 670 834 837 839	24 29 33 1 1 1 1 1 4 3 1 73 70 66 0 1 1 1 9 15 21 0 0 0 0 38 19 0 0 3 4 5 27 65 102 14 21 27 5 6 6 6 946 1494 2042 1228 620 11 622 646 670 834 837 839 0 1 1	24 29 33 1 1 1 1 1 4 3 1 73 70 66 0 1 1 1 9 15 21 0 0 0 0 38 19 0 3 4 5 27 65 102 14 21 27 5 6 6 6 946 1494 2042 1228 620 11 622 646 670 834 837 839 0 1 1	24 29 33 1 1 1 1 1 4 3 1 73 70 66 0 1 1 1 9 15 21 0 0 0 0 38 19 0 0 3 4 5 27 65 102 14 21 27 5 6 6 6 946 1494 2042 1228 620 11 622 646 670 634 837 839 0 1 1

Values Should Be*

	SUS Viscosity @ 210°F	55.9	56-63	50.3		
	cSt Viscosity @ 100°C	9.03	9.1-11.3	7.36		
S	Flashpoint in *F	385	>365	340		
PROPERTIES	Fuel %	< 0.5	<2.0	1.3		
~	Antifreeze %	0.0	0.0	0.0		
ᇤ	Water %	0.0	<0.1	0.0		
8	Insolubles %	0.3	< 0.6	0.3		
ā	TBN	3.9	>1.0	2.0		
The second	TAN					
	ISO Code					

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com

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LIABILITY LIMITED TO COST OF ANALYSIS

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REPORT DATE:
CODE: 63/501
MAKE/MODEL: Ford 3.5L V-6 Ecoboost Twin Turbo FUEL TYPE: Gasoline (Unleaded) ADDITIONAL INFO:
OIL REPORT
F12813
UNIT 7/27/2012
10: 11 F150
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PAYMENT: ◆
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OIL TYPE & GRADE: OIL USE INTERVAL:
Castrol Edge Titanium 5W/30 4,909 Miles
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1"- 5"-",,,,- MIIHRon Oil Sample Date 4909 07/19/12 .
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03/05112
•
MIIHR on Unit 19949
13203

Make Up Oil Added Oats
ALUMINUM 5 6 7 5 ICHROMIUM

ITIN

MOLYBDENUM 4 3 1 1

.:lil

• NICKEL MANGANESE 73 a

70 66 1 1

71 a ~SILVER 9 0

15 a

219

ITITANIUM

0 a

0 6 POTASSIUM 3 4 5 4 BORON 27 65 102 93 SILICON 14 21 27 21 SODIUM 5 6 6 6 CALCIUM 946 1494 2042 2095 MAGNESIUM 1228 620 11 157 PHOSPHORUS 622 646 670 661 ZINC 834 837 839 775 BARIUM

38 19

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1 1 1 Values Should Be' 55.9 56-63 50.3 9.03 9.1-11.3 7.36 385 > 365 340 < 0.5 < 2.0 1.3 0.0 0.0 0.0 < 0.1 0.0 0.3 < 0.6 0.3 3.9 > 1.0 2.0

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