

OIL REPORT

LAB NUMBER: F12813

UNIT ID: 11 F150

REPORT DATE: 7/27/2012

CLIENT ID:

CODE: 63/501

PAYMENT:

UNIT	MAKE/MODEL:	Ford 3.5L V-6 Ecoboost Twin Turbo	OIL TYPE & GRADE:	Castrol Edge Titanium 5W/30
	FUEL TYPE:	Gasoline (Unleaded)	OIL USE INTERVAL:	4,909 Miles
	ADDITIONAL INFO:			

CLIENT: [REDACTED] PHONE: [REDACTED]
 [REDACTED] FAX: [REDACTED]
 [REDACTED] ALT PHONE: [REDACTED]
 [REDACTED] EMAIL: [REDACTED]

COMMENTS 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.

ELEMENTS IN PARTS PER MILLION		Castrol		MC-Semi-Syn.					
	MI/H-R on Oil	4,909	UNIT / LOCATION AVERAGES	4,629					UNIVERSAL AVERAGES
	MI/H-R on Unit	19,949		13,203					
	Sample Date	07/19/12		03/05/12					
	Make Up Oil Added	0 qts							
	ALUMINUM	5	6	7					5
	CHROMIUM	0	1	1					1
	IRON	12	18	24					19
	COPPER	24	29	33					34
	LEAD	1	1	1					1
	TIN	4	3	1					1
	MOLYBDENUM	73	70	66					71
	NICKEL	0	1	1					0
	MANGANESE	9	15	21					9
	SILVER	0	0	0					0
	TITANIUM	38	19	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	0	1	1					

		Values Should Be*						
PROPERTIES	SUS Viscosity @ 210°F	55.9	56-63	50.3				
	cSt Viscosity @ 100°C	9.03	9.1-11.3	7.36				
	Flashpoint in °F	385	>365	340				
	Fuel %	<0.5	<2.0	1.3				
	Antifreeze %	0.0	0.0	0.0				
	Water %	0.0	<0.1	0.0				
	Insolubles %	0.3	<0.6	0.3				
	TBN	3.9	>1.0	2.0				
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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MAKE/MODEL: Ford 3.5L V-6 Ecoboost Twin Turbo FUEL TYPE: Gasoline (Unleaded) ADDITIONAL INFO:

OIL REPORT

F12813

UNIT 7/27/2012

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PAYMENT: •

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OIL TYPE & GRADE: OIL USE INTERVAL:

Castrol Edge Titanium 5W/30 4,909 Miles

PHONE: FAX: ALT PHONE: EMAIL:~

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03/05112

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MIHR on Unit 19949 ..

13203

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Make Up Oil Added Oats

• ALUMINUM 5 6 7 5 ICHROMIUM

0 1 1 1 IRON 12 18 24 19 COPPER 24 29 33 34 ~LEAD 1 1 1 1

ITIN

MOLYBDENUM 4 3 1 1

..lil

• NICKEL MANGANESE 73 a

70 66 1 1

71 a ~SILVER 9 0

15 a

21 9

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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a

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 0.0 <0.1
0.0 0.3 <0.6 0.3 3.9 >1.0 2.0

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