BLACKSTONE LABORATORIES

OIL REPORT

LAB NUMBER:	F95489
REPORT DATE:	2/6/2014
CODE:	24/501

UNIT ID:	13 LARIAT
CLIENT ID:	24850
PAYMENT:	CC: MC

UNIT

MAKE/MODEL:	Ford 3.5L V-6 Ecoboost Twin Turbo	OIL TYPE & GRADE:	Amsoil 0W/30
FUEL TYPE:	Gasoline (Unleaded)	OIL USE INTERVAL:	10,921 Miles
ADDITIONAL INFO:	F150		

CLIENT

DANIEL MENENDEZ
15270 SW 41 TERRACE
MIAMI, FL 33185

PHONE: (305) 297-3600
FAX:
ALT PHONE:
EMAIL: dannymenendez@gmail.com

COMMENTS

DANIEL: Looking good! You've run the oil a little longer than we saw in past samples, but the engine doesn't seem to mind, based on the wear metals that are present. In fact, aluminum, iron, and copper all managed to drop, which shows a really nice improvement on a per-mile basis. The trace of fuel we found isn't a problem, and neither is the slightly low viscosity reading for Amsoil 0W/30. Maybe the Mobil 1 you added thinned it out a little. No moisture or dirt was detected, and the TBN still looks good at 2.2. You're doing a good job with this engine. Keep it up!

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil	10,921		9,840	9,992				
MI/HR on Unit	40,792		29,867	20,022				
Sample Date	02/04/14		10/19/13	08/08/13				
Make Up Oil Added	0.5 qts		0 qts	0 qts				

ELEMENTS IN PARTS PER MILLION

ALUMINUM	4	6	7	7				6
CHROMIUM	1	1	1	1				1
IRON	16	18	17	22				21
COPPER	37	42	42	47				31
LEAD	2	1	1	1				1
TIN	0	1	0	3				1
MOLYBDENUM	144	143	147	138				71
NICKEL	1	1	0	1				1
MANGANESE	34	22	14	19				11
SILVER	0	0	0	0				0
TITANIUM	0	0	0	0				3
POTASSIUM	3	5	6	6				5
BORON	32	34	35	36				56
SILICON	20	23	24	26				22
SODIUM	8	10	13	10				29
CALCIUM	3323	3344	3506	3202				1995
MAGNESIUM	72	69	30	106				222
PHOSPHORUS	675	666	648	675				682
ZINC	760	725	690	725				769
BARIUM	0	0	0	0				1

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	**56.9**	57-67	60.1	58.1			
cSt Viscosity @ 100°C	**9.32**	9.4-12.4	10.24	9.67			
Flashpoint in °F	**360**	>385	390	**370**			
Fuel %	TR	<2.0	<0.5	0.8			
Antifreeze %	0.0	0.0	0.0	0.0			
Water %	0.0	<0.1	0.0	0.0			
Insolubles %	0.2	<0.6	TR	0.1			
TBN	2.2	>1.0	2.3	2.5			
TAN							
ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

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