



# OIL REPORT

LAB NUMBER: J87356

UNIT ID: 16 EXPLORER

REPORT DATE: 12/28/2017

CLIENT ID: 108742

CODE: 20/685

PAYMENT: CC: Visa

<b>UNIT</b>	MAKE/MODEL: Ford 3.5L V-6 EcoBoost Twin Turbo	OIL TYPE & GRADE: Mobil 1 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 7,437 Miles
	ADDITIONAL INFO: Sport	

<b>CLIENT</b>	[REDACTED]
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**COMMENTS** [REDACTED] The great reports are still rolling in for your EcoBoost. We've never found any measurable amount of fuel dilution in the oil, and that's a common thing to see with direct-injected engines like this. Wear metals are staying as low and steady as can be. Iron is only a little higher than we found in the first report, and it actually shows less steel wear when you take the longer oil run into account. The TBN is doing fine at 2.6, and the oil filter kept insolubles to just 0.1%. We'd say there's room here for even more use on the next fill. Go for an even 10,000 miles if you'd like.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	7,437	<b>UNIT / LOCATION AVERAGES</b>	5,695	4,500	<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	29,012		21,575	15,880	
	Sample Date	12/16/2017		7/30/2017	4/29/2017	
	Make Up Oil Added	0.5 qts		0 qts	0 qts	
ALUMINUM	5	5	6	4	5	
CHROMIUM	1	1	1	1	1	
IRON	25	21	22	17	21	
COPPER	30	28	30	23	23	
LEAD	1	0	0	0	1	
TIN	0	0	0	1	1	
MOLYBDENUM	79	76	78	70	60	
NICKEL	1	0	0	0	1	
MANGANESE	6	5	5	3	7	
SILVER	0	0	0	0	0	
TITANIUM	0	0	0	0	2	
POTASSIUM	2	2	1	4	4	
BORON	31	36	38	40	41	
SILICON	13	15	14	17	17	
SODIUM	4	4	5	3	34	
CALCIUM	1041	1056	1007	1119	1845	
MAGNESIUM	725	680	713	603	220	
PHOSPHORUS	653	645	646	637	652	
ZINC	748	732	726	722	751	
BARIUM	0	1	0	2	2	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	59.1	55-62	56.7	57.0
	cSt Viscosity @ 100°C	9.95	8.8-11.1	9.27	9.36
	Flashpoint in °F	420	>365	405	430
	Fuel %	<0.5	<2.0	<0.5	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0
	Water %	0.0	0.0	0.0	0.0
	Insolubles %	0.1	<0.6	0.2	0.1
	TBN	2.6	>1.0	1.9	2.2
	TAN				
	ISO Code				

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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