



OIL REPORT

LAB NUMBER: J87356

UNIT ID: 16 EXPLORER

REPORT DATE: 12/28/2017

CLIENT ID: 108742

CODE: 20/685

PAYMENT: CC: Visa

UNIT

MAKE/MODEL: Ford 3.5L V-6 EcoBoost Twin Turbo
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO: Sport

OIL TYPE & GRADE: Mobil 1 5W/30
OIL USE INTERVAL: 7,437 Miles

CLIENT

COMMENTS

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.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	7,437	UNIT / LOCATION AVERAGES	5,695	4,500				UNIVERSAL AVERAGES
	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*

PROPERTIES	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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