



OIL REPORT

LAB NUMBER: D96529
 REPORT DATE: 12/2/2009
 CODE: 63/284

UNIT ID: FORD
 CLIENT ID:
 PAYMENT: Prepaid

UNIT	MAKE/MODEL: Ford 3.0L V-6	OIL TYPE & GRADE: Gasoline Engine Oil
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 17,243 Miles
	ADDITIONAL INFO: 2005 Escape Duratec	

CLIENT	1	PHONE:
		FAX:
		ALT PHONE:
		EMAIL:

COMMENTS SCOUT: This virtually unprecedented 17,243-mile oil change interval resulted in only mildly high iron, so we doubt it hurt anything. As we've discussed before, iron tracks directly with miles on the oil, so the iron count here isn't unexpected. In fact, we'd typically expect it to have read higher. Other metals were in league with averages too, so the engine still seems in great shape. Insolubles at only 0.3% are quite low and show sound combustion and effective oil filtration. This engine took the long OCI well; try 20K miles next time with a sample at 10K miles to monitor.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	17,243	UNIT / LOCATION AVERAGES	12,251	2,866	5,566			UNIVERSAL AVERAGES
	MI/HR on Unit	55,411		50,419	46,600	43,734	38,168		
	Sample Date	09/10/09		04/26/09	01/18/09	11/03/08	06/15/08		
	Make Up Oil Added	0.5 qt		16 oz	12 ozs	0 qts	0 qts		
ALUMINUM	5	3	4	2	2	1		3	
CHROMIUM	1	1	1	1	0	0		1	
IRON	43	21	28	15	12	6		14	
COPPER	6	3	3	3	2	2		4	
LEAD	1	0	1	0	0	0		5	
TIN	0	1	2	0	1	0		0	
MOLYBDENUM	81	65	86	73	76	9		52	
NICKEL	2	1	2	1	0	0		0	
MANGANESE	2	1	1	1	0	0		1	
SILVER	0	0	0	0	0	0		0	
TITANIUM	0	0	0	0	0	0		0	
POTASSIUM	2	2	1	3	2	4		2	
BORON	41	34	41	38	41	9		48	
SILICON	21	14	15	13	11	8		15	
SODIUM	26	38	21	22	19	103		18	
CALCIUM	2200	2209	2248	2120	2175	2301		2050	
MAGNESIUM	15	20	17	14	15	39		119	
PHOSPHORUS	628	640	635	590	621	724		704	
ZINC	1025	850	890	744	786	804		850	
BARIUM	0	0	0	0	0	0		1	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	56.7		54.6	53.6	53.4	53.1
	cSt Viscosity @ 100°C	9.28		8.66	8.37	8.29	8.22
	Flashpoint in °F	390	>365	SHORT	390	390	390
	Fuel %	<0.5	<2.0	-	<0.5	0.0	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0
	Water %	0.0	<0.1	0.0	0.0	0.0	0.0
	Insolubles %	0.3	<0.6	0.3	0.3	0.3	0.3
	TBN						
	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