



OIL REPORT

LAB NUMBER:
 REPORT DATE: 6/2/2014
 CODE: 63/501

UNIT ID: 13 MUSTANG GT
 CLIENT ID:
 PAYMENT:

UNIT	EQUIP. MAKE/MODEL: Ford 5.0L V8 Ti-VCT 32-valve	OIL TYPE & GRADE: Royal Purple 5W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 6,176 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS Thanks for the notes. As you can see, your engine looks even better here than it did last time, so we're seeing less wear-in material lingering around in your Mustang's engine. You've even got less iron (steel) than universal averages, which are based on a shorter 5,600-mile interval. Clearly, your 5.0L V-8 engine is wearing among the best of its kind. The TBN was good at 2.8 since 1.0 or less is considered low. 2.8 shows lots of active additive remaining in the oil. The viscosity was on the mark for a 5W/20 and no contamination was detected. Looks good to us!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	6,176	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	15,520	9,344	3,867				
	Sample Date	05/18/14	11/09/13	06/01/13				
	Make Up Oil Added	0 qts	0 qts	0 qts				
ALUMINUM	4	6	5	8				5
CHROMIUM	0	1	1	1				0
IRON	18	32	35	42				22
COPPER	3	15	10	33				5
LEAD	0	0	0	1				1
TIN	6	4	0	5				1
MOLYBDENUM	2	28	10	72				72
NICKEL	0	1	1	1				1
MANGANESE	4	13	9	25				5
SILVER	0	0	0	0				0
TITANIUM	0	0	0	0				1
POTASSIUM	5	12	12	18				4
BORON	6	61	16	160				86
SILICON	6	22	12	47				12
SODIUM	384	257	369	18				55
CALCIUM	1967	2005	2066	1983				2056
MAGNESIUM	8	9	8	10				286
PHOSPHORUS	552	641	660	711				778
ZINC	678	729	700	810				854
BARIIUM	0	0	0	1				1

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	52.8	46-59	53.8	50.4			
	cSt Viscosity @ 100°C	8.12	6.0-10.2	8.41	7.39			
	Flashpoint in °F	435	>355	415	405			
	Fuel %	<0.5	<2.0	<0.5	<0.5			
	Antifreeze %	0.0	0.0	0.0	0.0			
	Water %	0.0	<0.1	0.0	0.0			
	Insolubles %	0.3	<0.6	0.3	0.4			
	TBN	2.8	>1.0					
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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