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 32V
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO:

OIL TYPE & GRADE: Royal Purple 5W/20
OIL USE INTERVAL: 6,176 Miles

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		3,867				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**				21
COPPER	3	15	10	**33**				5
LEAD	0	0	0	1				1
TIN	6	4	0	5				1
MOLYBDENUM	2	28	10	72				73
NICKEL	0	1	1	1				1
MANGANESE	4	13	9	25				6
SILVER	0	0	0	0				0
TITANIUM	0	0	0	0				1
POTASSIUM	5	12	12	18				4
BORON	6	61	16	160				87
SILICON	6	22	12	**47**				12
SODIUM	384	257	369	18				52
CALCIUM	1967	2005	2066	1983				2037
MAGNESIUM	8	9	8	10				292
PHOSPHORUS	552	641	660	711				774
ZINC	678	729	700	810				857
BARIUM	0	0	0	1				1

PROPERTIES

		Values Should Be*					
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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