OIL REPORT

LAB NUMBER: **UNIT ID:**
REPORT DATE: 8/10/2015 **CLIENT ID:**
CODE: 20/772 **PAYMENT:**

UNIT

EQUIP. MAKE/MODEL: Audi 3.0L V-6 TDI
FUEL TYPE: Diesel
ADDITIONAL INFO:

OIL TYPE & GRADE: Mobil 1 ESP 5W/30
OIL USE INTERVAL: 16,178 KM

CLIENT

PHONE:
FAX:
ALT PHONE:
EMAIL:

COMMENTS

Since this is just the second oil change for your Audi, we are probably still seeing some material in the oil leftover from the wear-in process. New engines always leave excess metal and silicon (from sealers) in the oil and it can take a few changes to wash out, so we doubt your levels are a problem. Universal averages show normal wear after about 10,000 km use on the oil. The oil itself was in good shape physically. Some active additive was still left with a TBN of 2.8 and soot was low at just 0.2%. Check back in another 16,000 km to see improvements. Amended report.

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
MI/HR on Oil	16,178						
MI/HR on Unit	29,923						
Sample Date	7/31/2015						
Make Up Oil Added	0 qts						
ALUMINUM	9	9					16
CHROMIUM	3	3					2
IRON	**92**	92					44
COPPER	8	8					5
LEAD	1	1					1
TIN	1	1					1
MOLYBDENUM	70	70					14
NICKEL	1	1					2
MANGANESE	2	2					1
SILVER	0	0					0
TITANIUM	1	1					1
POTASSIUM	10	10					7
BORON	88	88					48
SILICON	**11**	11					6
SODIUM	4	4					4
CALCIUM	1119	1119					1610
MAGNESIUM	11	11					40
PHOSPHORUS	658	658					713
ZINC	795	795					843
BARIUM	0	0					0

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	63.0	57-65					
cSt Viscosity @ 100°C	11.07	9.4-11.9					
Flashpoint in °F	465	>410					
Fuel %	<0.5	<2.0					
Antifreeze %	0.0	0.0					
Water %	0.0	<0.1					
Insolubles %	0.1	<0.6					
TBN	2.8	>1.0					
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

©COPYRIGHT BLACKSTONE LABORATORIES INC. 2015 LIABILITY LIMITED TO COST OF ANALYSIS