OIL REPORT

LAB NUMBER: **UNIT ID:**
REPORT DATE: 12/28/2015 **CLIENT ID:**
CODE: 44/685 **PAYMENT:**

UNIT

EQUIP. MAKE/MODEL: Porsche 3.8L H-6 DFI
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO:

OIL TYPE & GRADE: Motul 8100 X-Cess 5W/40
OIL USE INTERVAL: 4,000 Miles

CLIENT

PHONE:
FAX:
ALT PHONE:
EMAIL:

COMMENTS

We've been marking aluminum at 9 ppm, but we decided not to highlight the 10 ppm in this report. Yes, that is right at the top end of what we normally see from this type of engine, but it's been within 1 ppm for three reports in a row now. We're not inclined to say it's from residual wear-in at this point, but we don't think it shows a problem either since it's been steady. Other wear metals are in decent shape, and copper came down a bit. The minor fuel dilution and viscosity aren't problematic findings, and the TBN was still good and strong. Just check back.

ELEMENTS IN PARTS PER MILLION

MI/HR on Oil	4,000	UNIT / LOCATION AVERAGES	4,000	1,000				UNIVERSAL AVERAGES
MI/HR on Unit	9,000		5,000	1,000				
Sample Date	12/4/2015		6/24/2015	1/16/2015				
Make Up Oil Added	100 mL		150 cc	0 qts				
ALUMINUM	10	6	**9**	**9**				5
CHROMIUM	1	1	1	0				0
IRON	14	13	13	7				11
COPPER	19	16	22	12				12
LEAD	1	1	1	0				1
TIN	0	2	0	3				1
MOLYBDENUM	10	45	26	76				92
NICKEL	1	1	1	0				1
MANGANESE	2	3	4	7				2
SILVER	0	0	0	0				0
TITANIUM	0	2	0	0				0
POTASSIUM	3	3	4	13				3
BORON	65	130	96	212				139
SILICON	4	5	4	7				4
SODIUM	6	6	5	6				7
CALCIUM	2677	2792	2737	2811				2858
MAGNESIUM	13	19	15	14				34
PHOSPHORUS	904	887	857	821				902
ZINC	1011	1012	1023	908				1031
BARIUM	0	1	0	0				0

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	**64.9**	65-78	65.0	68.2			
cSt Viscosity @ 100°C	**11.57**	11.6-15.3	11.61	12.48			
Flashpoint in °F	**365**	>375	385	390			
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 %	0.2	<0.6	0.2	TR			
TBN	6.1	>1.0	7.6	9.4			
TAN							
ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

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