



OIL REPORT

LAB NUMBER: K08517 UNIT ID: JOE GIBBS 15W/50
 REPORT DATE: 4/2/2018
 CODE: 63/685

UNIT	MAKE/MODEL: Virgin 15W/50	OIL TYPE & GRADE: Joe Gibbs HR1 15W/50
	FUEL TYPE:	OIL USE INTERVAL:
	ADDITIONAL INFO:	

CLIENT	
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COMMENTS MICHAEL: The traces of metals in this sample are normal for virgin oil, not anything problematic. The anti-wear additives are molybdenum, phosphorus, and zinc, while Calcium and magnesium are the main detergent/dispersant additives. The viscosity was on target for 15W/50 oil and no water or oxidized solids (insolubles) were found. The TBN starts out plenty strong at 9.0 since 1.0 or less is considered low. This is serviceable oil and it should work well in your Porsche year round.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil		UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit							
	Sample Date	3/20/2018						
	Make Up Oil Added							
ALUMINUM	1	1						1
CHROMIUM	0	0						0
IRON	1	1						1
COPPER	0	0						0
LEAD	0	0						0
TIN	0	0						0
MOLYBDENUM	36	36						57
NICKEL	0	0						0
MANGANESE	0	0						0
SILVER	0	0						0
TITANIUM	0	0						0
POTASSIUM	1	1						1
BORON	1	1						70
SILICON	5	5						5
SODIUM	4	4						11
CALCIUM	2991	2991						1841
MAGNESIUM	10	10						242
PHOSPHORUS	1345	1345						1111
ZINC	1372	1372						1113
BARIUM	0	0						0

Values Should Be*

PROPERTIES							
SUS Viscosity @ 210°F	94.3	80-95					
cSt Viscosity @ 100°C	19.00	15.5-19.4					
Flashpoint in °F	430	>400					
Fuel %	-	<2.0					
Antifreeze %	-	0.0					
Water %	0.0	0.0					
Insolubles %	0.0	<0.6					
TBN	9.0	>1.0					
TAN							
ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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