STL SM
STANDARDS TESTING LABS
Tough On Testing. SM

CORNERING FATIGUE TEST REPORT

SET UP TECH	**DS**	END TECH	**DS**
START DATE	**8/16/09**	END DATE	**8/17/09**
		STATION	**111**

STL TEST NUMBER	**FSC9-0010**
STL JOB NUMBER	**L9-544**
ACCOUNT REP.	**DIETZ**
CUSTOMER	**FORGESTAR**
CONTACT	**WONG**
PURCHASE ORDER	**10180**

WHEEL SPECIFICATIONS

WHEEL SIZE	**20 X 12.0**
PART NUMBER	**FORGESTAR F10**
RATED LOAD	**1600**
MATERIAL	**ALUM. / BLACK**
ADAPTOR NUMBER	
WEAR PLATE	
STUD NUMBER	**1/2-20**
LUG NUT NUMBER	**1/2-20**

TEST SPECIFICATIONS

INITIAL DEF	**.449**	FINAL DEF	**.447**
		ROTARY TEST LOAD (ft lbs.)	**2,720**
		TEST TORQUE (ft lbs.)	**85**
		TEST DURATION (cycles)	**150,000**
		TEST SPEED (rpm)	**500**
		TEST SPEC.	**SAE J2530**
		WHEEL WEIGHT	**27.8**

FAILURE **20% OVER INITIAL DEFLECTION / 60% LOSS OF TORQUE/ VISUALLY DETECTED SECTION CRACK BREAK OR CRACK OF A FUNCTIONAL FASTENER**

SPECIAL INSTRUCTIONS

BREAKAWAY TORQUE AT END OF TEST

	.000/.000
FLATNESS CHECK AT START	.000/.000
	.000/.000

	.000/.000
FLATNESS CHECK AT END	.000/.000
	.000/.000

TEST RESULTS

CYCLES COMPLETED (1)	**150,000**	INSPECTION	**DYE**	**BREAKAWAY TORQUE**			
TECHNICIAN	**DS**	TOTAL HOURS	**5.0**	1.	**85.6/71.6**	6.	**N/A**
DATE	**8/17/09**	DEFLECTION	**.447**	2.	**85.8/88.2**	7.	**N/A**
				3.	**85.8/82**	8.	**N/A**
COMMENTS (1)	**Test Complete. No cracks found per dye penetrant inspection. Wheel meets requirements of SAE J2530.**			4.	**85.9/70.4**	9.	**N/A**
				5.	**85.3/83.6**	10.	**N/A**

APPROVAL : _____ DATE: 8/18/2009