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	**52**

STL TEST NUMBER	**FSC9-0009**
STL JOB NUMBER	**L9-544**
ACCOUNT REP.	**DIETZ**
CUSTOMER	**FORGESTAR**
CONTACT	**WONG**
PURCHASE ORDER	**10180**

WHEEL SPECIFICATIONS

WHEEL SIZE	**20 X 9.0**
PART NUMBER	**FORGESTAR F14**
RATED LOAD	**1600**
MATERIAL	**ALUM. / BLACK**
ADAPTOR NUMBER	
WEAR PLATE	
STUD NUMBER	**1/2-20**
LUG NUT NUMBER	**1/2-20**

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

TEST SPECIFICATIONS

INITIAL DEF	**.085**	FINAL DEF	**.085**
		ROTARY TEST LOAD (ft lbs.)	**2,748**
		TEST TORQUE (ft lbs.)	**85**
		TEST DURATION (cycles)	**150,000**
		TEST SPEED (rpm)	**490**
		TEST SPEC.	**SAE J2530**
		WHEEL WEIGHT	**26.3**

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

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

TEST RESULTS

CYCLES COMPLETED (1)	**150,234**	INSPECTION	**DYE**	1.	**85/74**	6.	**N/A**
TECHNICIAN	**DS**	TOTAL HOURS	**5.11**	2.	**85.4/78.5**	7.	**N/A**
DATE	**8/17/09**	DEFLECTION	**.085**	3.	**85.1/77.3**	8.	**N/A**
				4.	**85.9/87.8**	9.	**N/A**
				5.	**85.7/95.1**	10.	**N/A**

BREAKAWAY TORQUE

COMMENTS (1)

Test Complete. Per dye penetrant inspection - 1/4" crack at Spoke #7 inboard side.

Wheel meets requirements of SAE J2530.

APPROVAL : DATE: 8/18/2009