STL STANDARDS TESTING LABS

Tough On Testing.

CORNERING FATIGUE TEST REPORT

SET UP TECH	**DS**	END TECH	**DS**
START DATE	**2/26/09**	END DATE	**2/27/09**
		STATION	**111**

STL TEST NUMBER	**FSC9-0006R**
STL JOB NUMBER	**L9-186**
ACCOUNT REP.	**DIETZ**
CUSTOMER	**FORGESTAR**
CONTACT	**LIN**
PURCHASE ORDER	**10007**

WHEEL SPECIFICATIONS

WHEEL SIZE	**19 X 8.5**
PART NUMBER	**MATTE BLACK**
RATED LOAD	**1500**
MATERIAL	**ALUM.**
ADAPTOR NUMBER	
B.C.D	**5 X 4.5**
STUD NUMBER	**1/2-20**
LUG NUT NUMBER	**1/2-20**

TEST SPECIFICATIONS

INITIAL DEF	**.248**	FINAL DEF	**.245**
ROTARY TEST LOAD (ft lbs.)			**2,003**
TEST TORQUE (ft lbs.)			**80**
TEST DURATION (cycles)			**150,000**
TEST SPEED (rpm)			**300**
TEST SPEC.			**SAE J2530**
WHEEL WEIGHT			**23.4**

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)	**150,120**	INSPECTION	**ZYGLO**
TECHNICIAN	**DS**	TOTAL HOURS	**8.34**
DATE	**2/27/09**	DEFLECTION	**.245**

BREAKAWAY TORQUE

1.	**80.7/79.7**	6.	**N/A**
2.	**80.8/85.4**	7.	**N/A**
3.	**80.7/82.6**	8.	**N/A**
4.	**80.6/83.4**	9.	**N/A**
5.	**80.1/82.9**	10.	**N/A**

COMMENTS (1) **Test Complete. No cracks found per zyglo inspection.**

Wheel meets requirements of SAE J2530.

APPROVAL : DATE: 3/6/2009