STL STANDARDS TESTING LABS

Tough On Testing.

CORNERING FATIGUE TEST REPORT

SET UP TECH	**DS**	END TECH	**DS**
START DATE	**3/1/09**	END DATE	**3/2/09**
		STATION	**52**

STL TEST NUMBER	**FSC9-0004R**
STL JOB NUMBER	**L9-186**
ACCOUNT REP.	**DIETZ**
CUSTOMER	**FORGESTAR**
CONTACT	**LIN**
PURCHASE ORDER	**10007**

WHEEL SPECIFICATIONS

WHEEL SIZE	**19 X 10**
PART NUMBER	**GUNMETAL**
RATED LOAD	**1500**
MATERIAL	**ALUM.**
ADAPTOR NUMBER	
B.C.D	**5 X 4.75**
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	**.151**	FINAL DEF	**.150**
		ROTARY TEST LOAD (ft lbs.)	**1,998**
		TEST TORQUE (ft lbs.)	**80**
		TEST DURATION (cycles)	**150,000**
		TEST SPEED (rpm)	**300**
		TEST SPEC.	**SAE J2530**
		WHEEL WEIGHT	**25.3**

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)	**150,120**	INSPECTION	**ZYGLO**
TECHNICIAN	**DS**	TOTAL HOURS	**8.34**
DATE	**3/2/09**	DEFLECTION	**.150**

BREAKAWAY TORQUE

1.	**80.4/81.3**	6.	**N/A**
2.	**80.1/84.4**	7.	**N/A**
3.	**80.5/83.3**	8.	**N/A**
4.	**80.2/86.4**	9.	**N/A**
5.	**80.7/85.2**	10.	**N/A**

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

Wheel meets requirements of SAE J2530.

APPROVAL : DATE: 3/6/2009