STL SM STANDARDS TESTING LABS SM

Tough On Testing. SM

CORNERING FATIGUE TEST REPORT

SET UP TECH	**DS**	END TECH	**DS**
START DATE	**2/25/09**	END DATE	**2/26/09**
		STATION	**52**

STL TEST NUMBER	**FSC9-0001R**
STL JOB NUMBER	**L9-186**
ACCOUNT REP.	**DIETZ**
CUSTOMER	**FORGESTAR**
CONTACT	**LIN**
PURCHASE ORDER	**10007**

WHEEL SPECIFICATIONS

WHEEL SIZE	**19 X 9.0**
PART NUMBER	**MACHINED**
RATED LOAD	**1500**
MATERIAL	**ALUM.**
ADAPTOR NUMBER	
B.C.D	**5 X 120**
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	**.169**	FINAL DEF	**.169**
		ROTARY TEST LOAD (ft lbs.)	**2,099**
		TEST TORQUE (ft lbs.)	**80**
		TEST DURATION (cycles)	**150,000**
		TEST SPEED (rpm)	**300**
		TEST SPEC.	**SAE J2530**
		WHEEL WEIGHT	**25.4**

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

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	**2/26/09**	DEFLECTION	**.169**

BREAKAWAY TORQUE

1.	**80.8/84.3**	6.	**N/A**
2.	**80.4/81.3**	7.	**N/A**
3.	**80.7/88.7**	8.	**N/A**
4.	**80.4/82.2**	9.	**N/A**
5.	**80.6/85.9**	10.	**N/A**

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

Wheel meets requirements of SAE J2530.

APPROVAL : DATE: 3/6/2009