



**CORNERING FATIGUE TEST REPORT**

SET UP TECH	DD	END TECH	DS
START DATE	8/15/09	END DATE	8/16/09
		STATION	52

STL TEST NUMBER	FSC9-0012
STL JOB NUMBER	L9-544
ACCOUNT REP.	DIETZ
CUSTOMER	FORGESTAR
CONTACT	WONG
PURCHASE ORDER	10180

**TEST SPECIFICATIONS**

INITIAL DEF	.186	FINAL DEF	.182
ROTARY TEST LOAD (ft lbs.)		2,569	
TEST TORQUE (ft lbs.)		85	
TEST DURATION (cycles)		150,000	
TEST SPEED (rpm)		500	
TEST SPEC.		SAE J2530	
WHEEL WEIGHT		25.6	

**WHEEL SPECIFICATIONS**

WHEEL SIZE	20 X 9.5
PART NUMBER	FORGESTAR F14
RATED LOAD	1600
MATERIAL	ALUM. / GUNMETAL
ADAPTOR NUMBER	
WEAR PLATE	
STUD NUMBER	1/2-20
LUG NUT NUMBER	1/2-20

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 START .000/.000  
.000/.000  
.000/.000

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

**TEST RESULTS**

**BREAKAWAY TORQUE**

CYCLES COMPLETED (1)	150,234	INSPECTION	DYE	1.	85/41.9	6.	N/A
TECHNICIAN	DS	TOTAL HOURS	5.11	2.	85.5/62	7.	N/A
DATE	8/16/09	DEFLECTION	.182	3.	85.1/63.5	8.	N/A
COMMENTS (1)	<p><b>Test Complete. No cracks found per dye penetrant inspection.</b></p> <p><b>Wheel meets requirements of SAE J2530.</b></p>			4.	85.1/75.7	9.	N/A
				5.	85/82.4	10.	N/A

APPROVAL : *Ch Lu*

DATE: 8/18/2009