Safety Research Report Index - Suzuki Samurai Rollover

A. BACKGROUND

1. Suzuki Samurai owner's manual rollover warnings, 1988
9. "If It Has Wheels and Carries People, Shouldn't It Be Safe?" J. Treece, Business Week, 6/20/88

B. LAWSUITS

1. Attorneys handling lawsuits against Suzuki
2. Lawsuits filed against Suzuki, with jurisdiction & docket number, June 1988
3. Class Action Complaint, Barrack, Rodos & Bacine, 6/14/88

C. NHTSA

1. CAS Petition to NHTSA for Defect Investigation, 2/23/88
2. NHTSA to Suzuki, information request, 3/10/88
3. Suzuki to NHTSA, initial response to information request, 5/9/88
4. Suzuki to NHTSA, reply to information request transmitting responses to 1-5, 8, 12 & 13, 6/1/88
5. Suzuki to NHTSA, partial reply to information request, transmitting responses to questions 7, 9-11, 14, 16 & 17, 6/14/88
6. Suzuki to NHTSA, supplement to prior submissions, 6/24/88
7. Suzuki to NHTSA, Voluntary Submission in Opposition to Petition, 8/2/88
8. NHTSA Final Report on Samurai Rollover Petition, with attachments, 8/25/88
9. NHTSA Denial of Petition for Defect Investigation, 53 FR 34866, 9/8/88
10. NHTSA Memorandum of Meeting with Suzuki's Attorneys, 9/20/88
11. CAS to NHTSA, Petition for Reconsideration, 12/8/88
12. NHTSA to CAS, reply to 12/8/88 letter, 2/10/89
13. NHTSA to Suzuki (from Ford Bronco II Rollover Investigation), Peer Analysis Information Request, 5/2/89
14. Suzuki to NHTSA, reply to 5/2/89 letter, with attachment, 7/14/89

D. INTERNAL DOCUMENTS

12. Truck & Bus Group Product Policy Committee Meeting minutes, 7/27/84.
15. Suzuki advertising managers meeting notes, 7/14/85.
21. Group Lotus PLC telex to GM Legal Staff, 6/1/93.

E. TECHNICAL


F. CONSUMER GROUP TESTS

1. Consumers Union to NHTSA on CAS petition for Samurai recall, 6/2/88
2. Statement of R. Pittle, Consumers Union Technical Director, 6/2/88

G. GENERAL BACKGROUND

1. "How the '76 Handling Standards Will Outlaw Unstable Cars," Popular Science, 8/1/72
4. NHTSA Study Finds Three Utility Vehicles Most Dangerous," Status Report, IIHS, 1/18/83
7. "Study Confirms High Rollover Rate for Utility Vehicles," Status Report, IIHS, 9/22/84
16. "Steed Ordered to Turn Over All Papers on Rollover Petition," Status Report, IIHS, 8/13/88
17. "Luken Probes NHTSA Administrator's Refusal to Tell Congress About Her Veto of Staff
20. "NHTSA expects to propose a rollover rule by spring," Automotive News, 1/14/91
32. Articles from Center for Auto Safety newsletter, IMPACT (1978-96)

H. EXPERTS

I. MANUFACTURER ROLLOVER STUDIES

1. E. Moffatt, GM Engineering Staff, "Occupant Motion in Rollover Collisions," (circa 1970)
5. P. Hackert, et. al., Ford Co., "Dynamic Simulation of Light Truck Handling Maneuvers Using ADAMS" (excerpt), (circa 1986)

J. STUDIES ON TESTING FOR ROLLOVER TENDENCY

7. A. Nalecz, "Intermediate Maneuver Induced Rollover Simulation (IMIRS) and Sensitivity Analysis," 9/89.
K. ROLLOVER STUDIES ON ACTUAL CRASH EXPERIENCE

1. P. Hight, Trauma Research Group, Univ. of California, "Injury Mechanisms in Rollover Collisions," 11/8/72
11. NHTSA, draft of "Preliminary Assessment of the Fatal Rollover Crash Experience of the Suzuki Samurai," (undated)
17. Data Link & NHTSA, "Rollover in Motor Vehicle Accidents," (Appendix omitted), 7/89
23. S. Partyka, NHTSA, "Door Opening & Occupant Ejection through Rear Hatches, Tailgates, & Other Back Doors" 1/21/94

L. TECHNICAL REPORTS RELATING TO MEASURED/CALCULATED VEHICLES ROLLOVER PARAMETERS

1. E. Horkey, "Large Tire Problem Analysis," (circa 1979)
2. NHTSA, "Occupant Motion During a Rollover Crash," DOT Rep. #HS 806 646, 11/84
3. NHTSA, "Center of Gravity & Track Width Data Gathered for Use in Evaluating the Wirth Petition," 4/87
6. NHTSA, "Inertia & Center of Gravity Data for Selected Cars, Utility Vehicles and Light Trucks," 10/21/88
12. W.R. Garrott, "Tilt Table Data Used in NHTSA Analysis of Vehicle Rollover Stability," 4/2/93
13. NHTSA, "Tilt Table Ratio, Critical Sliding Velocity, & Michigan Rollovers per Single Vehicle Accident Ratio for the Vehicles Tested by NHTSA & their Corporate Twins," 11/5/93
15. NHTSA, Car & light truck inertial & dimensional data, including center of gravity, (undated)

M. TESTS BY CONSUMER GROUPS

N. NHTSA AND GENERAL ACCOUNTING OFFICE REPORTS
1. NHTSA Report to the Committees on Appropriations, "Light Truck & Van Safety," 5/87
2. NHTSA Pamphlet, "Consumer Information-Utility Vehicles," 10/87
4. NHTSA Rollover Subcommittee member list, fatality data, rollover models, data sources, test procedures, research, 1988
8. Index to NHTSA Public File 88-01, Rollover Subcommittee reports 6/88-10/89
9. NHTSA report to Congress, "Rollover Prevention & Roof Crush," 4/92

O. RULEMAKING
1. ANPRM (Rollover Resistance), 38 FR 9599, 4/18/73
2. Summary of Comments received, NPRM (Rollover Resistance), 10/5/73
3. Federal Register Notice of Proposed Rule on Utility Vehicle warning sticker, Docket #82-20, 12/30/82
4. Suzuki to NHTSA on NPRM (Utility Vehicle Warning Stickers), 2/9/83
5. Ford to NHTSA on NPRM (Utility Vehicle Warning Stickers), 2/11/83
6. MVMA to NHTSA on NPRM (Utility Vehicle Warning Stickers), 2/14/83
7. GM to NHTSA on NPRM (Utility Vehicle Warning Stickers), 2/14/83
8. Regulation Part 575.105 Utility Vehicles
9. Representative Wirth (CO) to NHTSA, petition for minimum stability standard, 9/16/86
10. AMC to NHTSA on Wirth petition, 1/21/87
11. NHTSA denial of Wirth petition, 53 FR 12218, 4/13/88
12. Consumers Union rulemaking petition, 6/2/88
13. NHTSA to Consumers Union, granting petition to begin rulemaking, 9/1/88
14. ANPRM (re: Side Impact Protection for LTV’s), 53 FR 31716, 8/19/88
15. Comments in Response to Docket 88-06-No. 4
   a. Summary of comments, 1/12/89
   c. Chrysler comments, 10/18/88
   d. IIHS comments, 10/18/88
   e. Toyota comments, 10/18/88
   f. Ford comments, 10/18/88
16. Final Rule, Extension of FMVSS 216 (Roof Crush Prevention) to Light Trucks, 56 FR 15510, 4/17/91
17. NHTSA, "Preliminary Regulatory Evaluation- ANPR- Light Duty Vehicle Rollover Prevention" (re: 57 FR 242), 7/91 (Sections relating to rollover/roof crush only)
18. ANPRM (Proposal of Rollover FMVSS), 57 FR 242, 1/3/92
19. Comments in Response to Docket 91-68-No.1
   a. Summary of comments, 4/3/92
   b. Nissan comments, 4/3/92
   c. MVMA comments, 4/3/92
   d. Toyota comments, 4/15/92
   e. Suzuki comments, 4/92
   f. Ford comments, 4/2/92
   g. Chrysler comments, 4/2/92 (selected appendices)
   h. Advocates for Highway & Auto Safety, 4/3/92
20. Request for Comments, 57 FR 44721, 9/29/92 (Docket 91-68-No.2)
21. Comments in Response to Docket 91-68-No.2
   a. Ford comments, 11/12/92
   b. MVMA comments, 11/13/92
   c. Chrysler comments, 11/12/92
   d. Advocates for Highway & Auto Safety comments, 11/13/92
   e. Mitsubishi comments, 11/12/92
   f. GM comments, 11/13/92
   g. Toyota comments, 11/13/92
   h. SEMA comments, 11/13/92
   i. L. Robertson, Nanlee Research, comments on Chrysler, 6/12/93
   j. NHTSA and AAMA meeting notes, 8/19/93
23. NPRM (Rollover Proposal), 59 FR 33254, 6/28/94 (Docket 91-68-No.3)
   a. "Preliminary Regulatory Evaluation"
   b. "Potential Reductions in Fatalities & Injuries in Single Vehicle Rollover Crashes as a Result of a
Minimum Rollover Stability Standard"

24. Comments in Response to Docket 91-68-No.3
   a. AAMA comments, 8/9/94
   b. Transportation Analysis Institute comments, 7/27/94
   c. NANLEE Research and Yale University comments, 8/94
   d. Automotive Testing Inc. comments, 8/5/94
   e. National Truck Equipment Association comments, 8/29/94
   f. E.A. Harwin comments, 8/94
   g. MCR/LRI Inc. comments, 8/26/94
   h. Winnebago comments, 8/26/94
   i. Limousine Industry Manufacturer's Organization comments, 8/26/94
   j. Advocates For Highway and Auto Safety petition for reconsideration of rulemaking termination, 7/28/94.
   k. AAMA comments, 10/5/94
   l. Mercedes-Benz comments, 9/28/94
   m. Rover Group comments, 10/20/94
   n. Chrysler comments, 10/20/94
   o. GM comments, 10/17/94
   p. AAMA comments, 10/21/94
   q. Volkswagen of America comments, 10/20/94
   r. Nissan comments, 10/21/94
   s. Mazda comments, 10/21/94
   t. Suzuki comments, 10/21/94
   u. Isuzu comments, 10/20/94
   v. IIHS comments, 10/21/94
   w. FAA comments, 10/20/94
   x. Toyota comments, 10/21/94
   y. Ford comments, 10/20/94
   z. AIAM comments, 10/21/94
   aa. Consumers Union comments, 10/21/94
   bb. Honda comments, 10/19/94
   cc. Mitsubishi comments, 11/7/94
   dd. UMTRI comments, 10/94
   ee. AAMA comments, 9/15/94
   ff. NHTSA submittal of NANLEE paper, 12/12/94

25. Consumers Union rulemaking and defect investigation petition, 8/20/96

26. Grant of CU Rulemaking Petition, 62 FR, 27578, 5/20/97

27. Denial of CU Defect Petition, 62 FR, 40602, 7/29/97

28. NPRM, Rollover Information Ratings, 65 FR, 34998, 6/1/00

29. Final Rulemaking, Rollover Resistance, 66 FR, 3388, 1/12/01

P. BIBLIOGRAPHY