

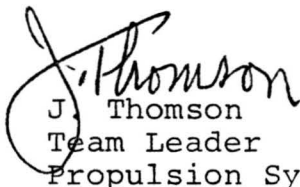
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Reply to Attn of: EA01

September 29, 1986

TO: CR01/A. McCool
FROM: EA01/J. Thomson
SUBJECT: F-1 Engine on Display at ASRC

Recently, I learned through Mr. Tom Osborne that ASRC has an F-1 engine standing upright and resting on the nozzle skirt. This engine, I understand, is in an area where the general public has access. In my recent work with the F-1 engines residual from Apollo, we have been trying to assess the possible damage incurred during storage or in particular stored positions. What I have learned is that when the 18,600 lb engine is resting on the nozzle the safety factor is ≈ 1.5 . During the F-1 engine program days the practice was not to store the engine in the upright position resting on the nozzle. I am calling this to your attention so that you can coordinate this matter with the appropriate people at MSFC responsible for the safety of F-1 engine displays.



J. Thomson
Team Leader
Propulsion System Studies

CC:
EA01/Mr. Kingsbury