

Naval Ordnance Laboratory, White Oak, Md.
(NOL technical report 63-134)

THE USE OF A KNOCK-OFF TUBE AS A QUICK PRESSURE-RELEASE MECHANISM (U), by Robert L. Davis. 4 May 1964. v.p. illus., charts, tables, diagrs. NOL task-285.

UNCLASSIFIED

This report presents an analysis of the use of a knock-off tube as a quick pressure-release mechanism for a piezoelectric gage calibration system. This system is capable of developing pressures up to 50,000 psi in a closed oil filled chamber. An equation relating the pressure-release time to the initial conditions of the calibration system has been derived and verified for select choices of initial conditions that are compatible with requirements of the NOL reactor-vessel containment program.

1. Calibrators
 2. Gages, Piezoelectric - Calibration
 3. Reactors - Explosions
- I. Title
II. Davis, Robert L.
III. Project

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