Naval Ordnamoe Laboratory, White Oak, Mi. (NOL technical report 63-134) THE USE OF A KNOCK-OFF TUBE AS A QUICK PRES-SURE-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 cali- III. Project bration 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 comtaimment program.

Calibrators

Gages, Piezoelectric -Calibration

Reactors -Explosions

Title II. Davis. Robert L.

Abstract card is unclassified.

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

THE USE OF A KNOCK-OFF TUBE AS A QUICK PRES-SURE-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 cali- III. Project bration 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 contaimment program.

1. Calibrators

Gages, Piezoelectric -Calibration

Reactors -Explosions

Title

II. Davis. Robert L.

Abstract card is unclassified.

Naval Ordmance Laboratory, White Oak, Mi. (NOL technical report 63-134) THE USE OF A KNOCK-OFF TUBE AS A QUICK PRES-SURE-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 cali- III. Project bration 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 contaimment program.

Calibrators 1.

Gages, Piezoelectric -Calibration Reactors -

Explosions Title

II. Davis. Robert L.

Abstract card is unclassified.

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

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

This report presents an analysis of the use of a kmock-off tube as a quick pressure-release mechanism for a piezoelectric gage cali- III. Project bration system. This system is capable of developing pressures up to 50,000 psi in a closed oil filled chamber. Am 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 contaimment program.

Calibrators

Gages, Piezoelectric -Calibration

Reactors -Explosions

Title

II. Davis. Robert L.

Abstract card is unclassified.