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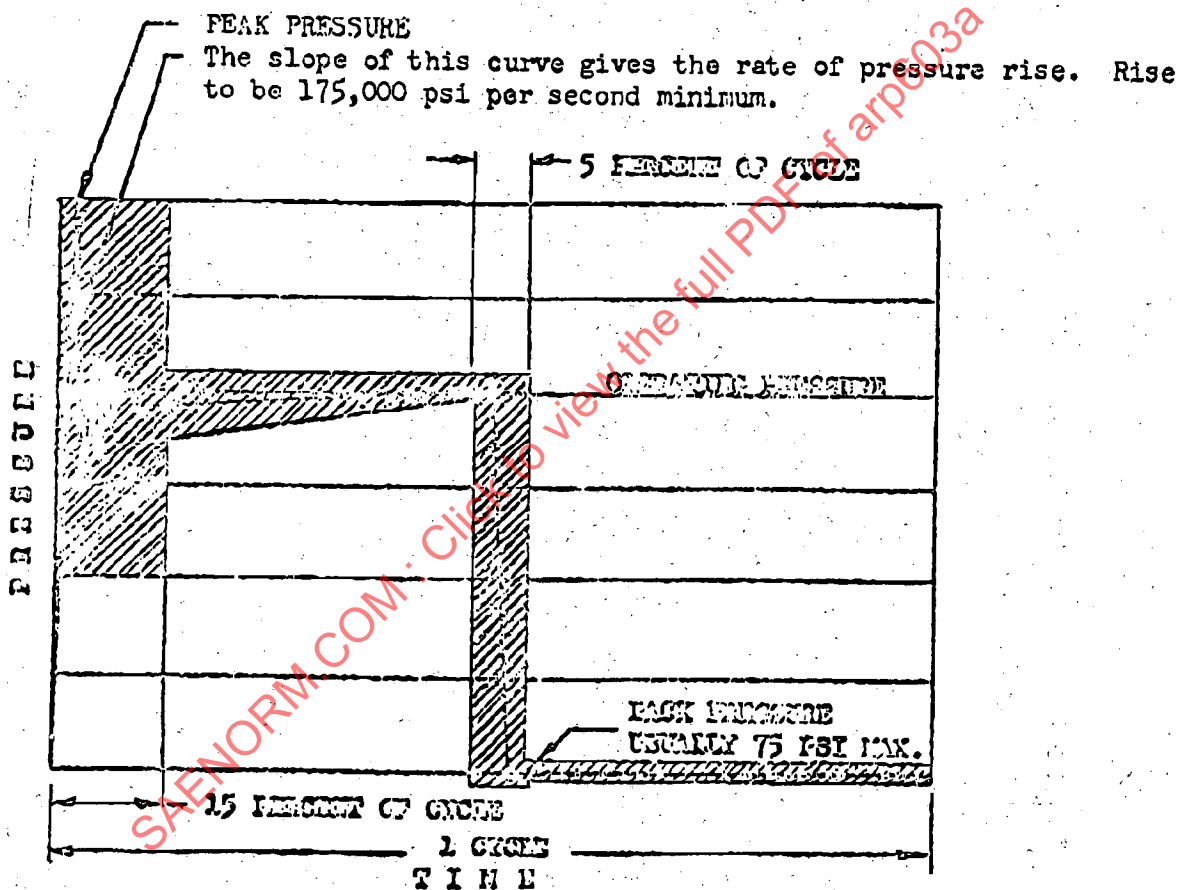
435 LEXINGTON AVENUE
NEW YORK 17, N.Y.AEROSPACE
RECOMMENDED PRACTICE

ARP 603A

IMPULSE TEST EQUIPMENT FOR TESTING HYDRAULIC SYSTEM COMPONENTS

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1. **SCOPE:** This recommended practice covers design schematics of two test machines capable of producing hydraulic impulse pressure cycles with a maximum operating pressure of 5000 psi.
2. **APPLICABLE DOCUMENTS:** None
3. **REQUIREMENTS:** Test machine shall be capable of producing a dynamic impulse cycle in conformance with the following graph:



The curve shown above is the approximate pressure-time cycle determined to be of proper severity for impulse testing hydraulic components. It is considered highly desirable that the pressure-time curve be confined to the shaded area indicated.

- 3.1 Rate of rise is defined as the slope of the pressure-time curve. For purpose of definition the slope shall be determined by use of a straight line between 10% and 90% of peak pressure.

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