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(Identical with ISO 3046/5)

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**INTERNAL COMBUSTION ENGINES—
PERFORMANCE**

**Part 5—ENGINES FOR LAND,
RAIL-TRACTION AND
MARINE USE—
TORSIONAL VIBRATION**



STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter



This Australian standard was prepared by Committee ME/20, Internal Combustion Engines. It was approved on behalf of the Council of the Standards Association of Australia on 6 February 1985 and published on 10 May 1985.

The following interests are represented on Committee ME/20:

Australian Assembly of Fire Authorities
Australian Chamber of Commerce
Building Owners and Managers Association of Australia Limited
Confederation of Australian Industry
Construction Equipment Importers and Manufacturers of Australia
Department of Agriculture, Vic.
Department of Defence
Electricity Supply Association of Australia
Federal Chamber of Automotive Industries
Federation of Automotive Products Manufacturers
Institution of Engineers Australia
Metal Trades Industry Association of Australia
National Farmers Federation
Society of Automotive Engineers Australasia
State Insurance Office, Vic.
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Suggestions for improvements to Australian standards, addressed to the head office of the Association, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian standard should be made without delay in order that the matter may be investigated and appropriate action taken.

This standard was issued in draft form for comment as DR 84027.

AUSTRALIAN STANDARD

INTERNAL COMBUSTION ENGINES—
PERFORMANCE

Part 5
ENGINES FOR LAND,
RAIL-TRACTION AND MARINE
USE—TORSIONAL VIBRATION

AS 2789.5—1985

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PREFACE

This standard was prepared by the Association's Committee on Internal Combustion Engines. It supersedes (in part) AS 1501—1976, Method for Rating and Testing of Internal Combustion Engines. It is one of a series of six standards on the performance of internal combustion engines which are identical with and have been reproduced from International Standards ISO 3046/1, 3046/2, 3046/3, 3046/4, 3046/5 and 3046/6, drawn up by ISO/TC 70.

The standards in the series are as follows:

- AS 2789.1 Internal Combustion Engines—Performance,
Part 1—Engines for Land, Rail-traction and Marine Use—Standard Reference Conditions and Declarations of Power, Fuel Consumption and Lubricating Oil Consumption
- AS 2789.2 Internal Combustion Engines—Performance,
Part 2—Engines for Land, Rail-traction and Marine Use—Test Methods
- AS 2789.3 Internal Combustion Engines—Performance,
Part 3—Engines for Land, Rail-traction and Marine Use—Test Measurements
- AS 2789.4 Internal Combustion Engines—Performance,
Part 4—Engines for Land, Rail-traction and Marine Use—Speed Governing
- AS 2789.5 Internal Combustion Engines—Performance,
Part 5—Engines for Land, Rail-traction and Marine Use—Torsional Vibration
- AS 2789.6 Internal Combustion Engines—Performance,
Part 6—Engines for Land, Rail-traction and Marine Use—Overspeed Protection

The series of standards applies to internal combustion engines for land, rail-traction and marine use, excluding engines used to propel agricultural tractors, road construction and earthmoving machines, road vehicles, motor cycles and aircraft. It is proposed that additional parts will be reproduced from ISO standards which cover further matters in relation to the performance of internal combustion engines. An application standard (AS 2789.0)* is also intended which will be read in conjunction with these standards to cover any variation which the committee considers warranted to meet Australian conditions.

For the purpose of this Australian standard, the text of the ISO standard used herein should be modified as follows:

Terminology. The words 'Australian standard' should replace the words 'International Standard' wherever they appear.

* In course of preparation.

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