

(PREVIEW)

Indian Standard
**METHOD FOR MEASUREMENT OF
EXHAUST SMOKE EMITTED BY
AGRICULTURAL TRACTORS**

FOREWORD

0.1 This Indian Standard was adopted by the Bureau of Indian Standards on 30 June 1987, after the draft finalized by the Agricultural Tractors and Power Tillers Sectional Committee had been approved by the Agricultural and Food Products Division Council.

0.2 With the increasing awareness for keeping the environment free from pollution, efforts are being made to minimize the smoke level emitted by vehicles, be it for transport or for agricultural operations. It was felt necessary) at first instance, to rationalize the test methodology for this characteristics as applicable to agricultural tractors. Test method for engines and diesel vehicles excepting agricultural tractor has been covered in IS : 10000 (Part 10) -1980* and IS : 8118-1987† respectively.

0.3 In preparation of this standard, assistance has been taken from ISO 789/4-1982 Agricultural tractors — Test procedures — Part IV Measurement of exhaust smoke, issued by the International Organization for Standardization.

0.4 In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS : 2-1960‡:

1. SCOPE

1.1 This standard covers method for measuring smoke emitted by the engine of agricultural tractors operating at a steady speed.

*Methods of tests for internal combustion engines : Part 1 Tests for smoke levels, limits and corrections for smoke levels for variable speed compression ignition engines.

†Smoke emission levels for diesel vehicles (*first revision*).

‡Rules for rounding off numerical values (*revised*)