

(PREVIEW)

IS : 10743 – 1983

Indian Standard

METHOD FOR DETERMINATION OF CENTRE OF GRAVITY OF AGRICULTURAL TRACTORS

1. SCOPE

1.1 This standard specifies method of determining the position of the centre of gravity of agricultural tractors.

FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 30 November 1983, 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 To evaluate the effect of gradients on tractive effort and stability it is important to determine the position of centre of gravity of the tractor. While formulating IS : 5994 (Part 2)-1979*, a need was felt to prepare a separate Indian Standard on this subject. This standard has been prepared to fulfil this need.

0.3 This standard is complementary to IS : 5994 (Part 2)-1979*.

0.4 In preparation of this standard assistance has been derived from ISO 789/6-1982 Agricultural tractors - test procedures - Part 6: Centre of gravity issued by International Organization for Standardization. An alternative method suggested by the Tractor Training and Testing Station, Budni, has also been incorporated.

0.5 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†.

*Test code for agricultural tractors: Part II Laboratory and track tests (*first revision*).

†Rules for rounding off numerical values (*revised*).