

(PREVIEW)

IS 13548: 1992  
ISO 5008 : 1979

## *Indian Standard*

# **AGRICULTURAL WHEELED TRACTORS AND FIELD MACHINERY— MEASUREMENT OF WHOLE—BODY VIBRATION OF THE OPERATOR**

## **1 SCOPE AND FIELD OF APPLICATION**

This International Standard specifies methods for measuring and reporting the whole body vibration to which the operator of an agricultural wheeled tractor or other field machine is exposed.

The operating conditions of the machine and the ordinates of optional artificial test tracks are also included.

This International Standard applies when measurements are made under field conditions or where artificial surfaces are used for the comparison of different models of particular machines.

It is recognized that there may be designs of tractor for which this International Standard is not appropriate, for example stilt-tractors, tricycle tractors, hillside tractors or vineyard tractors etc.

NOTE - The standard does not include assessment of vibration reaching the operator other than through his seat or foot platform; for example, that sensed by the feet through the controls or by the hands through the steering wheel is not considered. ISO/TR 5007 specifies measurement of transmitted vibration and seat dimensions for operator's seats for agricultural tractors.

## **2 REFERENCES**

ISO 2641, Vibration and shock - Vocabulary.

ISO 2631, Guide for the evaluation of human exposure to whole-body vibration.

ISO/TR 5007, Agricultural wheeled tractors – Operator seat - Measurement of transmitted vibration and seat dimensions.<sup>1)</sup>

IEC Publication 225, Octave, half-octave and third octave band filters intended for the analysis of sounds and vibrations.