

BUREAU OF INDIAN STANDARDS

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DRAFT AMENDMENT NO. 1

TO

IS 11340 : 2020 RATCHET LEVER HOIST — SPECIFICATION

(First Revision)

ICS 50.020.10

Cranes, Lifting Chains and Related Equipment
Sectional Committee, MED 14

Last date for receipt of comments is
03 February 2024

(Page 4, clause 6.1) – Substitute the following for the existing clause:

‘6.1 Load and Overload Testing

6.1.1 All hoists shall be tested for the Load and Overload Test. The test procedure shall be as follows:

- a) The load shall be raised either for one full rotation of load sprocket or to a height of 500 mm, whichever has more travel distance;
- b) The load shall be held stationary for atleast for the duration specified as in **6.1.1** (c) and then lowered; and
- c) The above procedure shall be repeated for the following four loading conditions:
 - 1) No Load for 15 seconds;
 - 2) 50 percent of safe working load for 15 seconds;
 - 3) 100 percent of safe working load for 2 minutes; and
 - 4) 125 percent of safe working load for 2 minutes.

6.1.2 The hoist shall be deemed to have passed the load and overload testing if:

- a) Effort applied is within the effort range as given in Table 1 when loaded with 100 percent of safe working load; and
- b) There is no drift in load when the load is in stationary position with load raised as per **6.1.1** (b) for all four loading conditions. In case drift is observed, the brakes shall be checked for correction (if any) and the test shall be performed again as per **6.1.1**. There shall be no drift in load when the load is in stationary position with load raised after correction in the brakes, for all four loading conditions.’

(Page 4, clause 6.3) – Delete

(Page 4, clause 6.1) – Add the following after the clause and renumber the existing clause ‘6.2 Design Test’ as ‘6.3 Design Test’:

‘6.2 Examination

After the load and overload testing the hoist shall be thoroughly examined and shall be recorded. It complies with this standard only if it is found free from deformation or cracks.’