



SURFACE VEHICLE STANDARD

J999™

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Superseding J999 AUG2011

Crane Boom Hoist Disengaging Device

RATIONALE

Updated to the current SAE formatting and included some revisions to Section 4 for clarification.

1. SCOPE

This SAE Standard applies to cranes which are equipped to adjust the boom angle by hoisting and lowering means through rope reeving.

1.1 Purpose

The purpose of this standard is to define the function and to stipulate the requirements of an automatic device to prevent raising a variable angle boom above its highest specified angle.

2. REFERENCES

There are no referenced publications specified herein.

3. FUNCTION

The function of the device shall be to provide means for automatic disengagement of the boom hoisting power to prevent the boom from exceeding its highest specified angle approved for operation.

4. REQUIREMENTS

- 4.1 The device shall be provided with suitable adjustments for obtaining the highest specified boom angle.
- 4.2 The device, when properly installed and adjusted, shall automatically and completely disengage the boom hoisting power from the boom hoist drum when the boom has reached its highest specified angle.

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