

A Product of the
Cooperative Engineering Program

SAE J950 OCT85

Gradeability Test Code

SAE Standard
Revised October 1985

**S. A. E.
LIBRARY**

Submitted for Recognition as **Documents**
an American National Standard **Document Sharing Hub**

RATIONALE:

Consideration for changes to J950, Gradeability Test Code, were made during the five-year review.

Changes recommended include:

1. In PURPOSE an editorial change from "The purpose of this code is to provide . . ." to "This standard provides . . ." Also "customer" has been changed to "owner."
2. The Scope defines the application of this standard to Construction, Forestry and Industrial Machines and References J1116.
3. In FACILITIES, "APPARATUS" changes to "MEANS TO MEASURE," "LENGTH" changes to "DISTANCE" and "GRADE" accuracy is described in terms of "% OF MAX."
4. A spelling correction is made in line 4 of Procedure, Truck to Track.
5. In Item 2 of Procedure "reserve tractive effort" is changed to "drawbar pull."

No significant change has been recommended to the actual test procedure. The changes relate to standard SAE TECHNICAL REPORT Procedures.

RELATIONSHIP OF SAE STANDARD TO ISO STANDARD:

Not applicable.

REFERENCE SECTION:

SAE J1116, Categories of Off-Road Self-Propelled Work Machines

APPLICATION:

This Standard provides a field procedure to determine the ability of a machine to ascend a grade under specified conditions, such as surface material and condition, percent grade, load, speed, and gear. Any item listed as specified is to be selected at the discretion of either the manufacturer, the test agency, the owner, or a combination of these parties.

COMMITTEE COMPOSITION:

DEVELOPED BY THE SAE OFF-ROAD MACHINERY TECHNICAL COMMITTEE:

- L. E. Miller, Davenport, IA - Chairman
- W. L. Black, Clark Michigan Co., Buchanan, MI - Vice Chairman
- G. R. Bailey, Bailey Marketing Inc., Crystal Lake, IL
- W. F. Busbey, Caterpillar Tractor Co., Decatur, IL
- J. B. Codlin, Spring Field, IL