

SURFACE VEHICLE STANDARD

SAE J2506

ISSUED AUG2000

400 Commonwealth Drive, Warrendale, PA 15096-0001

Issued

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Submitted for recognition as an American National Standard

Material Handler Nomenclature

- 1. Scope—This SAE Standard includes the names of major components and parts peculiar to this type of machine. Illustrations used here are not intended to include all existing commercial machines or to be exactly descriptive of any particular machine. They have been provided to describe the principles to be used in applying this document.
- **1.1 Purpose**—The purpose of this document is to establish a uniform method of providing nomenclature for material handlers.
- 2. References
- **2.1 Related Publications**—The following publications are provided for information purposes only and are not a required part of this document.
- 2.1.1 SAE PUBLICATIONS—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J1234—Specification Definitions—Off-Road Work Machines

SAE J2055—Identification Terminology and Component Nomenclature for Knuckle Boom Log Loaders

SAE J/ISO 6165—Identification Terminology of Earthmoving Machines

SAE J/ISO 7135—Nomenclature and Dimensions for Hydraulic Excavators (Information regarding applicable dimensions for material handlers are addressed under this document.)

2.1.2 AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)—Available from ASME, 22 Law Drive, Box 2900, Fairfield, NJ 07007-2900.

ASME B30.25—Scrap and Material Handlers

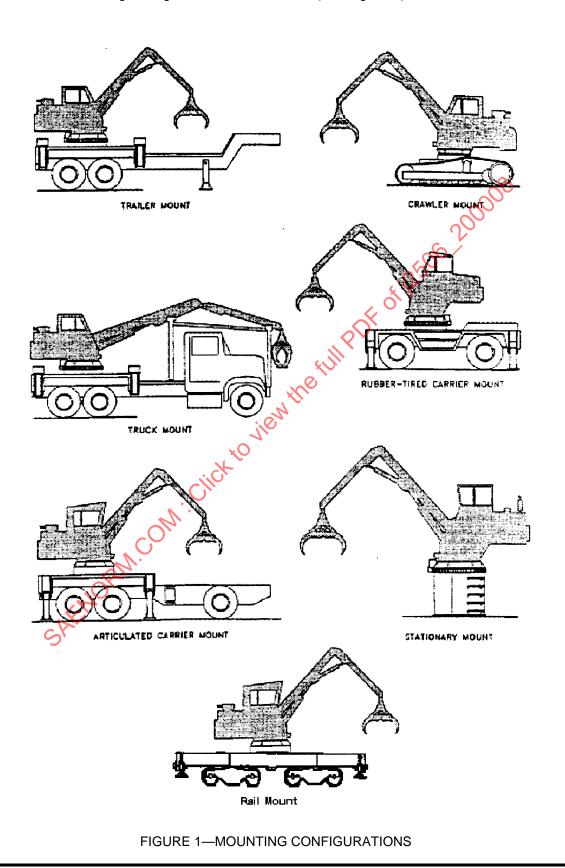
- 3. Definition
- **3.1 Material Handler**—A swing-to-load machine with articulated booms and supporting structure designed to grab, lift, swing, and place various types of material.
- 4. Identification Terminology
- **4.1** Seven different types of mounting configurations are illustrated. (See Figure 1.)
- **4.2** Two different types of boom configurations are illustrated. (See Figure 2.)

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4.3 Two different methods for grabbing material are illustrated. (See Figure 2.)



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- 5. Component Nomenclature—Figure 2 identifies the major components.
 - 1. Cab Riser
 - 2. Cab
 - 3. Upperstructure
 - 4. Counterweight
 - 5. Swing Bearing
 - 6. Boom Cylinder7. Boom

 - 8. Arm Cylinder

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