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INTERNATIONAL
400 Commonwealth Drive, Warrendale, PA 15096-0001

SURFACE VEHICLE RECOMMENDED PRACTICE

An American National Standard

SAE J1464

ISSUED APR88

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IDENTIFICATION TERMINOLOGY OF LOADERS/TRACTORS WITH FORKS AND ROUGH TERRAIN FORKLIFTS

***Foreword*—**This Document has not changed other than to put it into the new SAE Technical Standards Board Format.

1. ***Scope*—**This recommended practice defines machines equipped with forks for material handling, which are intended for use on unimproved or disturbed terrain. (Reference J1116, Categories 1, 2 or 6.)

1.1 **Purpose—**To identify types of machines, which use forks as working tools, while being used on unimproved surfaces. The machines are grouped as follows: loaders/tractors with forks and rough terrain forklifts. These groupings are used in identifying the organization responsible for applicable standards.

2. ***References***

2.1 **Applicable Publications—**The following publications form a part of the specification to the extent specified herein. Unless otherwise indicated the lastest revision of SAE publications shall apply.

2.1.1 SAE PUBLICATION—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J818—Rated Operating Load for Loaders
SAE J1116 JUN86—Categories of Off-Road Self-Propelled Work Machines

2.1.2 ASME PUBLICATIONS—Available from ASME, 345 East 47 Street, New York, NY 10017-2330.

ASME B56
ASME B56.6

3. ***Definitions***

3.1 **Loader/Tractor with Forks—**Machine designed primarily for earthmoving, which has forks attached to or in place of the bucket or blade.

3.2 **Rough Terrain Forklift—**Machine designed primarily to lift and carry materials, which has a vertical mast and/or variable reach boom to carry the forks.

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4. Identification

4.1 Loader/Tractor with Forks

4.1.1 Wheel Loader/Tractor with Fork Attachment (see Figure 1)

4.1.2 Articulated Loader with Fork Attachment (see Figure 2)

4.1.3 Backhoe Loader with Fork Attachment (see Figure 3)

4.1.4 Skid Steer Loader with Fork Attachment (see Figure 4)

4.1.5 Forks for Quick Coupler Attachment (see Figure 5)

4.1.6 Forks Over Bucket (see Figure 6)

4.1.7 Tractor with Three Point Hitch Mounted Forks (see Figure 7)

4.2 Rough Terrain Forklift

4.2.1 Rear Steer, Mast with Forks (see Figure 8)

4.2.2 Parallelogram Boom with or without Mast (see Figure 9)

4.2.3 Variable Reach with or without Mast (see Figure 10)

5. Responsibility For Development of Standards

5.1 Loaders/Tractors with Forks—Standards development is the responsibility of SAE, Con Ag Council, and ORMTC. Load capacity rating are determined by the same methods as for loaders, Reference SAE J818, except that the load center is established with the forks level, at a specified height, and 24 in (600 mm) ahead of the vertical front face of the forks. Machines that have a load rating of 30000 lb (13600 kg) and over shall have an additional rating at 48 in (1200 mm) ahead of the verical front face of the forks.

5.2 Rough Terrain Forklifts—Standards development is the responsibility of ASME B56. Load capacity ratings are determined by the procedure specified in ASME B56.6.

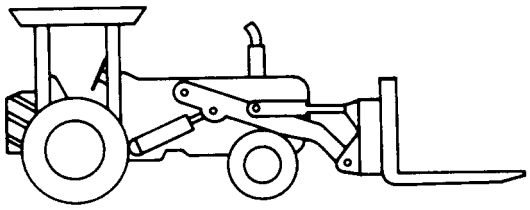


FIGURE 1—

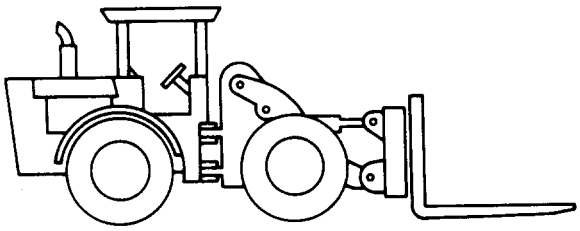
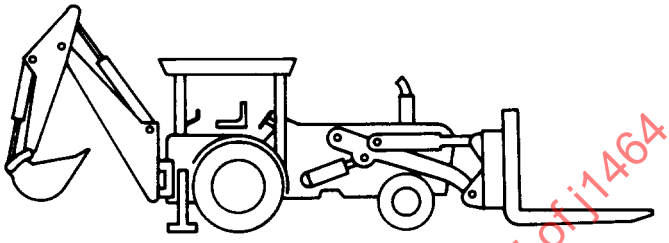


FIGURE 2—



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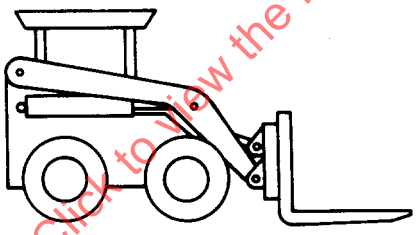

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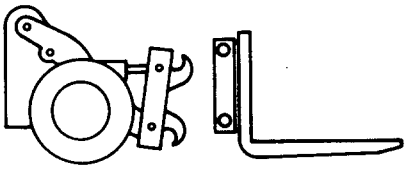

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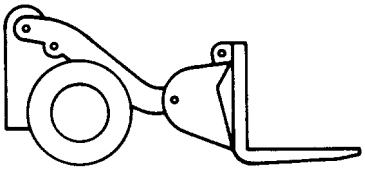

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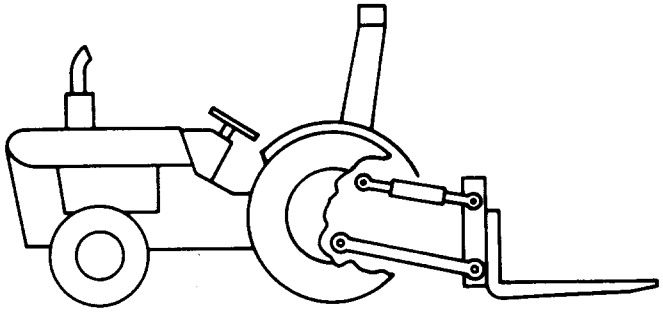

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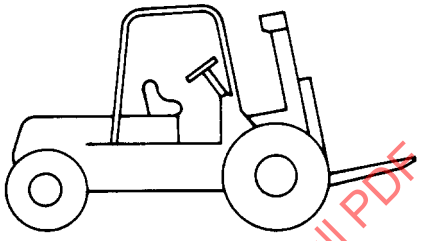

FIGURE 8—

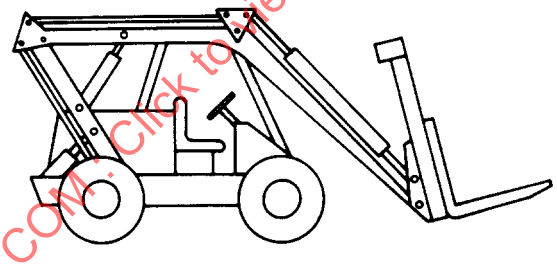

FIGURE 9—

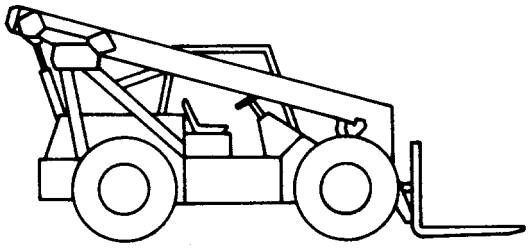

FIGURE 10—