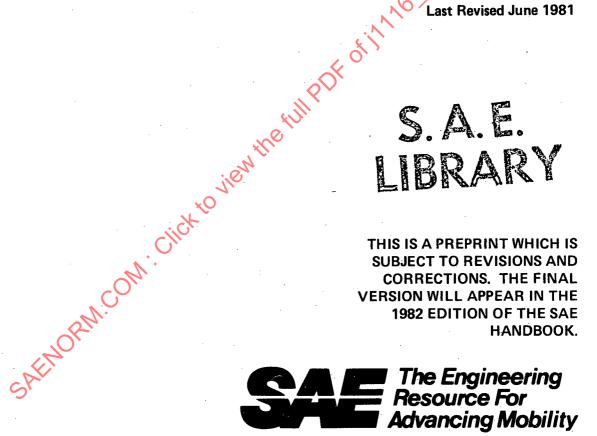
Categories of Off-Road Self-Propelled Work Machines -**SAE J1116 JUN81**

SAE Recommended Practice Last Revised June 1981

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CATEGORIES OF OFF-ROAD SELF-PROPELLED **WORK MACHINES—SAE J1116 JUN81**

SAE Recommended Practice

Report of the Off-Road Machinery Technical Committee, approved July 1975, last revised by Subcommittee 13, June 1981. Rationale statement available.

Purpose—This recommended practice establishes categories of off-road self-propelled work machines. Where possible, this recommended practice shows which standards writing organization—SAE or other—will be responsible for each category for machine identification terminology, component nomenclature, definitions of specification terms, and other standards and recommended practices.

Scope—This recommended practice applies to machines that are in regular commercial production. Included are the following categories:

> Construction General Purpose Industrial Agricultural Forestry Specialized Mining Machinery Powered Industrial Trucks

In spite of the appearance of the same names, such as tractors and loaders in more than one category, further development of this and related recommended practices will demonstrate that there are differences in the fullyequipped working machine that may require distinction as to intended endpoint field usage. These differences include:

Names of optional implements.

Names of components of optional implements.

Definitions of specification terms as affected by installed optional implements.

Different mounting provisions on the machines for implements and other attachments.

Differences in design to achieve objectives for performance, durability, or operator or public safety.

1. SELF-PROPELLED CONSTRUCTION MACHINES

Purpose—This recommended practice establishes categories of selfpropelled construction machines.

Scope—This recommended practice applies to machines that are in regular commercial production. Construction machines are divided into two classes—Earthmoving and Other Than Earthmoving.

1.1 SELF-PROPELLED CONSTRUCTION MACHINES— **EARTHMOVING**

Purpose—This recommended practice provides identification terminology for earthmoving machines. Identification is determined by the end-point usage intended by the manufacturer's design objectives.

Scope—This recommended practice applies to machines that are in regular commercial production. They are used on unimproved surfaces. They are used for moving earth and other material on projects such as roads, dams, open pit excavation, quarries, trenching, and building sites. Included are such machines as:

> Tractors Loaders **Dumpers** Tractor-Scraper Excavators Continuous Diggers Graders Augers **Backhoe Loaders**

Not included are machines intended for use on improved surfaces such as in-plant material handling, highway, water, air transport, or for agricultural purposes.

Refer to SAE 11057 for identification terminology.

Note: Above named machines are listed as examples. The lists are not intended to include all machines in current production.

ΦOFF-ROAD SELF-PROPELLED WORK MACHINES

| 1. Construction | | 2. General Purpose Industrial | 3. Agricultural | 4. Forestry | 5. Specialized Mining Machinery | 6. Powered Industrial Trucks (For reference only Powered industrial trucks are covered |
|--|--|---|--|--|---|--|
| 1.1 Earthmoving | 1.2 Other than Earthmoving | inaustrial | C' | , | mining machinery | by standards developed by th American National Standards Institute B56 Committee.) |
| Tractors (1) (4) Loaders (1) (4) Backhoe Loaders (1) (4) Graders (4) Tractor-Scrapers (4) Dumpers (4) Excavators (4) Continuous Diggers (4) Augers (4) | Cranes Pavers Soil Stabilizers Rollers & Compactors Pipelayers | Tractors (1) Loaders (1) Backhoe Loaders (1) Mowers Trenchers | Agricultural Tractors (2) (5) Combines (3) Cotton Pickers (3) Hi-Clear Sprayers (3) Forage Harvesters (3) Beet Harvesters (3) Balers (3) | Skidders Forwarders Fellers Self-Propelled Log Loaders Debarkers Delimbers Chippers Slashers Mobile Yarders Feller-Bunchers Feller-Forwarders Feller-Forwarders Harvesters | Continuous Miners Face Drills Roof Drills Cutting Machines Loading Machines Rubber Tired Haulage Vehicles Locomotives Personnel Carriers Mechanics Trucks Rock Dusting Machines | Fork Lift Trucks Platform Trucks Motorized Hand Trucks Motorized Hand/Rider Trucks Narrow Aisle Trucks Order Picker High Lift Trucks Pallet Trucks Reach Trucks Side Loader Trucks Straddle Trucks Rough Terrain Fork Lift Trucks Aircraft Towing Tractors Baggage Towing Tractors |

NOTE: Above named machines are listed as examples. The lists are not intended to include all machines in current production.

- (1) Machines that appear in more than one category may have similar terminology but may have different performance, durability or design requirements for safety objectives, and may have different provisions for optional attachments.
- (2) Further descriptions of agricultural tractors will be developed jointly by SAE and ASAE.(3) Further descriptions of these machines will be developed by ASAE.
- For machine identification terminology see SAE J105
- (5) For terminology of agricultural equipment see SAE J1150.

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