



SURFACE VEHICLE STANDARD

J2130™-1**JUL2021**

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Superseding J2130-1 MAR2015

Identification of Self-Propelled Sweepers and Cleaning Equipment
Part 1 - Machines with a Gross Vehicle Mass Greater than 5000 kg

RATIONALE

SAE J2130-1 has been reaffirmed to comply with the SAE Five-Year Review policy.

1. SCOPE

This SAE Standard applies to all self-propelled machines with a gross vehicle mass greater than 5000 kg that are utilized to clean material from highways, parking lots, airfield runways, outside paved areas that are principally exposed to vehicular traffic. These machines can also be involved with road construction or repaving work. Primary methods for material removal and cleaning can be by mechanical, pneumatic, washing and flushing systems, or in a combination of any system.

1.1 Purpose

To identify self-propelled cleaning equipment which are grouped into Self-propelled Sweepers classified under the Road Building and Maintenance machine category of SAE J1116.

2. REFERENCES

2.1 Applicable Document

The following publication forms a part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue of SAE publications shall apply.

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Documents

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2.1.1 SAE Publication

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

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

3. DEFINITIONS

3.1 STREET SWEEPERS

Self-propelled machines, either truck chassis or purpose-built integral chassis mounted, primarily designed to sweep material from highways, parking lots, construction sites, and road re-paving work. These machines can move material to a hopper or other type of container attached to the machine by mechanical or pneumatic means or by a combination of both.

3.2 SPECIALTY CLEANERS

Self-propelled machines equipped to perform specific cleaning tasks. This could relate to the surface being cleaned or any other unique feature of the cleaning operation.

4. IDENTIFICATION

4.1 Integral chassis, tricycle configuration, sweepers with a maximum transport speed of less than 32 km/hr. (Figure 1a).

4.1.1 Hoppers can be high dump (being able to dump into refuse containers) or low dump (being able to dump on to the ground only).

4.1.2 The machine can be front wheel or rear wheel steered. Steering controls can be located either in the center of the operator's cabin, on the left side or on the right side of the operator's cabin, or on both sides of the operator's cabin.

4.1.3 Material can be conveyed in to the hopper via mechanical or pneumatic means or by a combination of both.

4.2 Integral chassis sweepers other than in paragraph 4.1, some of which have a maximum transport speed less than 32 km/h and some of which are designed to transport at highway speeds (Figure 1b).

4.2.1 Hoppers can be high dump (being able to dump into refuse containers) or low dump (being able to dump onto the ground only).

4.2.2 Steering controls can be located either in the center of the operator's cabin, on the left side or on the right side of the operator's cabin, or both sides of the operator's cabin.

4.2.3 Material can be conveyed in to the hopper, via mechanical or pneumatic means or by a combination of both.

4.3 Truck chassis mounted sweepers that are able to transport at highway speeds (Figure 2).

4.3.1 Hoppers can be high dump (being able to dump into refuse containers) or low dump (being able to dump on the ground only).

4.3.2 Steering controls can be located on the left side or on the right side of the operator's cabin, or both sides of the operator's cabin.

4.3.3 Material can be conveyed in to the hopper via mechanical or pneumatic means or by a combination of both.