

	SURFACE VEHICLE RECOMMENDED PRACTICE	SAE J1197 OCT2011
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Rated Operating Load for Loaders Equipped with Log or Material Forks Without Vertical Mast		

RATIONALE

The technical report covers technology, products, or processes which are mature and not likely to change in the foreseeable future.

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Foreword—This Document has not changed other than to put it into the new SAE Technical Standards Board Format. Definitions were changed to Section 3. All other section numbers have changed accordingly. J1057 was superseded by SAE J/ISO 6165.

1. **Scope**—This SAE Recommended Practice applies to wheel and crawler loaders when equipped with log or material handling forks without vertical masts, taking only hydraulic lift capacity and operating stability into consideration.

It is recognized that specific operating conditions may allow larger, or require smaller loads than the rated operating load. Some conditions would require more careful or restricted operation with the rated operating load. This practice is not to be construed as setting up test procedures or conditions.

- 1.1 **Purpose**—This document establishes the definition of a normal all day rated operating load for loaders as defined in SAE J/ISO 6165.

2. References

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

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

SAE J732—Specification Definitions—Loaders

SAE J/ISO 6165—Identification Terminology of Earthmoving Machines

3. Definition

- 3.1 **Rated Operating Load**—SAE rating, in kilograms (pounds), will not exceed 50% of the tipping capacity, SAE rating, for wheel loaders¹ or 35% of the tipping capacity, SAE rating, for crawler loaders¹. Hydraulic lift capacity of the machine for all lift arm positions is to be no less than the rated operating load.

1. As defined in SAE J732.