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OPERATING LOAD FOR LOADERS—SAE J818b

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OPERATING LOAD FOR LOADERS—SAE J818b

SAE Recommended Practice

Report of Construction and Industrial Machinery Technical Committee approved April 1962 and last revised October 1976. Rationale statement available.

This SAE Recommended Practice establishes the definition of a normal all day operating load rating for construction and industrial wheel loaders and crawler loaders, taking only hydraulic ability and operating stability into consideration. It is recognized that specific operating conditions may allow larger, or require smaller, loads than the rating. Some conditions could require more careful or restricted operation with the rated load. This practice is not to be construed as setting up test procedures or conditions.

Operating Load, SAE Rating, Kilograms (Pounds), will not exceed 50% of the *TIPPING LOAD, SAE RATING* for wheel loaders or 35% of the *TIPPING LOAD, SAE RATING*[1] for crawler loaders, and will be considered as operating under the following conditions:

1. Lifting ability of the machine in all bucket positions to be no less than the specified operating load.
2. Bucket attachment of specified size and type.
3. Maximum travel speed of 6 km/h (3.7 mph).
4. Operating surface

(a) Shall be hard, moderately smooth and level for wheel loaders.

(b) General operating conditions of crawler loaders are such that they normally are not operating on hard, moderately smooth level surfaces. For this reason, the rating on crawler loaders is set at the lower figure of 35%.

[1] As defined in SAE J732.

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