



SURFACE VEHICLE RECOMMENDED PRACTICE

J2654™

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Hardness of Brake Lining

RATIONALE

This document has been determined to contain basic and stable technology which is not dynamic in nature.

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1. Scope

Hardness measurements are used as a quality control check of the consistency of formulation and processing of brake linings. This hardness method is nondestructive.

NOTE—This method is not a measure of friction level.

The hardness and the range of hardness are characteristic of each formulation; therefore, the acceptable values and ranges must be established for each formulation and may be affected by processing.

NOTE—The hardness of sintered powder metal lining is usually determined with Rockwell superficial hardness equipment. (See ASTM B 347)

1.1 Purpose

To measure the Rockwell hardness of brake linings.

- a. Rockwell hardness measures the depth of penetration.
- b. Gogan hardness measures the compression of the materials under load. (See SAE J379)

2. References

2.1 Applicable Publications

2.1.1 JAPANESE INDUSTRIAL STANDARD

Available from JSA, 1-24, Akasaka 4, Minatoku, Tokyo 107-8440, JAPAN, www.jsa.or.jp

JIS D4421—Method of Hardness Test for Brake Linings, Pads, and Clutch Facings of Automobiles