

**OREGON OCCUPATIONAL SAFETY AND HEALTH DIVISION
DEPARTMENT OF CONSUMER & BUSINESS SERVICES**

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SUBJECT: Portable Electric Tools

AFFECTED CODES/
DIRECTIVES: Division 2/S and Division 210

(1) PURPOSE: To notify APD personnel of portable electric tools not approved by a recognized testing lab.

(2) BACKGROUND: Recently, OSHA officials were shown two models of portable electric grinders manufactured by Makita Electric Works, Ltd., Japan. Model 9607B, rated at 8000 RPM and supplied with a grinding wheel rated at 8000 RPM, was tested at 115-Volts AC and oversped to 8385 RPM. At 120-Volts AC, this same unit oversped to 8740 RPM. A second grinder, Model 96096, rated at 6000 RPM and supplied with a grinding wheel rated at 6000 RPM, was also tested at 115-Volts AC, and oversped to 6851 RPM. At 120-Volt AC, this unit oversped to 7125 RPM. Rule 20-4-19 states in part: ". . . The spindle speed of the machine shall be checked before mounting of the wheel to be certain that it does not exceed the maximum operating speed marked on the wheel."

(3) ACTION: The use of these abrasive wheels on these grinders presents a potentially serious hazard. None of these grinder have been listed or labeled by UL or FMRC as indicated in 4-1-5, yet markings on the shipping cartons for these and other Makita tools indicate that the tools comply with OSHA. It is suggested that field personnel be reminded of PD A-0040, and also made aware that some Makita tools may, in fact, be in violation of APD standards. Following is a list of Makita tools, by model number, which have not been listed or labeled:

- 9607B - 7-inch Grinder, 8000 RPM
- 9607BL - 7-inch Grinder, 6000 RPM
- 9609B - 9-inch Grinder, 6000 RPM
- 430OBV - Jig Saw
- 5800BR - 7 1/4-inch Circular Saw
- 5801B - 185mm Circular Saw
- 680ODB - Drywall Screwdriver
- 6801DB - Drywall Screwdriver