

SAVE WARRANTY COSTS WITH

Diamond Black[®] Coating

BENEFITS:

93-95Rc HARDNESS

LOW TEMPERATURE
Applied at under 250°F

AMORPHOUS STRUCTURE
Resists chipping,
cracking & Peeling

HIGH ADHESION
Will not transfer

**AFFINITY FOR
LUBRICANTS**

CHEMICAL RESISTANT
Impervious to most harsh
chemicals, acids and bases

UNIFORMITY
Surface replication with
no build up

**TEMPERATURE RESISTANT
TO 2282°F**

EXTREMELY THIN
(80 Millionths)

US & FOREIGN PATENTED

**Diamond Black[™] coated
gears have provided 7 times
the gear life vs. uncoated.**

**DIAMOND BLACK
TECHNOLOGIES, INC.**
P. O. Box 190
100 Somerset Drive
Conover, NC 28613-0190
1-800-368-9968
FAX 704-322-4636

CIRCLE A-26 on READER REPLY CARD



CALENDAR

MAY 8-11

Metal Powder Industries Federation, American Powder Metallurgy Institute. 1994 International Conference & Exhibition on Powder Metallurgy & Particulate Materials. Toronto, Canada. Technical sessions and papers on powder metallurgy research and manufacturing. For more information, fax (609) 987-8523.

MAY 9-10

Penn State University. Advanced Gear Manufacturing Symposium. Will cover current gear manufacturing technology and research-related issues. For more information, call Greg Johnson at (814) 865-8207.

MAY 10

Polycrystalline Products Association. "Increasing Productivity with Polycrystalline Diamond and CBN Products." Sheraton Suites Hotel, Elk Grove Village (Chicago), IL. Presentations on high speed machining of cast iron with PCBN tools, PCD basics, rotary tooling with PCD, CVD cutting tools and more. For more information, call (614) 798-2253 or fax (614) 798-2255.

MAY 15-17

Gear Research Institute. International Conference on Induction-Hardened Gears. Indianapolis, IN. Contact Sharon Shaefer, GRI, (708) 241-0660 or fax (708) 241-0662.

MAY 16-20

AGMA Training School for Gear Manufacturing. Daley College, Chicago, IL. For more information

call AGMA headquarters at (703) 684-0211 or fax (703) 684-0242.

MAY 24-25

AGMA Technical Education Seminar, "Gear Failure Analysis." Hilton Commonwealth Hotel, Florence, KY (Cincinnati). Will cover overload, bending fatigue, Hertzian fatigue, cracking and gear failure photography. For more information, call (703) 684-0211 or fax (703) 684-0242

JUNE 13-15

University of Cincinnati, Center for Industrial Heat Treating Processes. Royce Hotel-Metropolitan Airport, Detroit, MI. For more information, call (513) 556-2709 or 2710 or fax (513) 556-3390.

SEPT 7-9

UK Gear Metrology Lab, University of Newcastle, British Gear Association. 1994 International Gearing Conference. University of Newcastle. Themes include research, design, components, materials, production and industrial practice. For more information, contact Jane Wallace, Dept. of Mechanical Eng., Stephenson Building, University of Newcastle, Newcastle upon Tyne, England, NE1 7RU.

SEPT. 14-16

Ohio State University. Short Course on Gear Noise. Robinson Laboratory, OSU campus. Lectures, case histories, lab demos. For more information, contact Carol Bird at OSU, (614) 292-3204.