



An Des Daseins Grenzen Geschichten Und Phantasien

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 54 pages. Original publisher: Golden, CO: National Renewable Energy Laboratory, 2010 OCLC Number: (OCoLC)530027822 Subject: Wind turbines -- Congresses. Excerpt: . . . Adsorption films. Hydrogen abstraction to form conjugated double bonds. Condensation to form high molecular-weight organometallic compounds (friction polymers). Lubricant additives function by the following mechanisms: Thermal decomposition. Surface-active species. Preferential adsorption. Thermally induced bonding. Formation of an inorganic reinforcing layer. Additives need soft, movable friction polymers from base oil reaction products to work properly. A detailed collision by collision experiment using two 3 mm diameter steel spheres was done to examine the surface and subsurface damage mode under several conditions: unlubricated, lubricated with paraffins, and paraffins plus antiwear additives. A high speed video camera mounted on the side captured the shear motion and the resulting shape. The x, y, z forces were measured by force transducers. After each collision, the surface damage was photographed, and some experiments were repeated after the same number of collisions, but the sample was cross-sectioned to show the substrate phenomena. Results showed the metal subsurface grains deformed to align with the principal component shear stresses, forming slip lines....



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