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Descrizione fisica	1 online resource (2064 illus., 1068 illus. in color. eReference.)
Disciplina	621.8903
Soggetti	Materials science Chemistry, Technical Coatings Tribology Corrosion and anti-corrosives Materials Science Industrial Chemistry Corrosion
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"With 2064 figures and 273 tables."
Nota di contenuto	From the Contents: Aluminium Hot and Cold Rolling Circulating Lubrication with progressive Feeders ACEA European Oil Sequences Acidity Actuating pressure Additives Barium-soap greases Bearing Inch Bearing rigidity Bentonite Bio-Based and Biodegradable Base Oils Calcium-soap greases Capillary Viscometers Cartridge pump CEC-L 54-96 Fuel Economy Effects of Engine Lubricants CEC-L-093 Oil Dispesion Test Delivery resistance Density Detergents Diesel Fuel Lubricity Agents DIN Elastic Interaction Elastomers and their Properties Electrochemical Deposition Electronic Nose EMCOR Test Feed Pumps in Centralized Lubrication Systems Feedability of lubricants Filling of Lubricants Filter design for lubricating oil and hydraulic systems Filtration of Lubricating Oils and Hydraulic Fluids Gas Engine Gear Film Thickness Gear Contact Friction Gear Oil Tests Gear Oil Viscosity Recommendation High Temperature Performance of Greases History of Tribology Honing Process

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	Hydraulic Circuits Hydraulic Components Identification of Lubricants Industrial Gear Oils Injection nozzle Injection Oilers, Micropumps Interaction of Lubricants with Coatings Laboratory Methods for Testing Lubricants Large Diesel Engine Lubrication Leakage Leakage Tendency of Automotive Wheel Bearing Greases Lithium-soap Greases Machine Tool Lubrication Market of Lubricants Mechanical-Dynamic Test Methods Mechanics and Friction in Metal Rolling Metalcutting Fluids Nanotribology Neat Cutting Fluids NLGI consistency Noise in Centralized Lubrication Systems Oil Circulation number Oil Compatibility of Seals and Insulating Materials Oil Separation of Lubricating Greases Oil-Air Systems Oil-Mist Systems Particle Separation Pastes and Grease Pastes Penetration Phosphatizing Physical Vapor Deposition Re-Refining Technologies Re-Refining with Solvent Extraction REACh Reciprocating Seals in Hydraulic Sealing Systems for Hydraulic Equipment Sealing Technology Selection of filters for lubricating oil and hydraulic systems Testing of Elastomers Textile Industry Lubrication Thermal Spray Coatings for Tribological Applications Thickener Total-loss Lubrication Used Oil Disposal and Collection Used Oil Laboratory Tests Valves for Centralized Lubrication Vehicle Lubrication with Centralized Lubrication Systems Warehousing of Lubricants Viscosity index Viscosity Modifiers Warehousing of Lubricants Water-Miscible Cutting Fluids Wear Wet Multi Disc Clutches and Brakes Wheel-Flange Lubrication Sytems for Railway Vehicles.
Sommario/riassunto	The importance of lubricants in virtually all fields of the engineering industry is reflected by an increasing scientific research of the basic principles. Energy efficiency and material saving are just two core objectives of the employment of high-tech lubricants. The encyclopedia presents a comprehensive overview of the current state of knowledge in the realm of lubrication. All the aspects of fundamental data, underlying concepts and use cases, as well as theoretical research and last but not least terminology are covered in hundreds of essays and definitions, authored by experts in their respective fields, from industry and academic institutes.