

1. Record Nr.	UNINA990002019010403321
Autore	Yasumatsu, Keizo
Titolo	Some analyses of the growthg of insects, with special reference to a plasmid, Phraortes kumatoensis Shiraki(orthoptera). / Keizo Yasumatsu
Pubbl/distr/stampa	s.l. : s.e., 1946
Descrizione fisica	577 p. ; 25 cm
Collana	Journal of the Department of Agriculture, Kyusyu Imperial University ; 8.1
Disciplina	595.724
Locazione	DAGEN
Collocazione	61 IV D.4/59
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910555060703321
Autore	Perez Robert X.
Titolo	Pump wisdom : essential centrifugal pump knowledge for operators and specialists / / Robert X. Perez
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , [2021] ©2021
ISBN	1-119-74823-2 1-119-74824-0 1-119-74819-4
Edizione	[Second edition.]
Descrizione fisica	1 online resource (275 pages)
Disciplina	621.69
Soggetti	Pumping machinery Electronic books.
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cover -- Title Page -- Copyright Page -- Contents -- Preface -- Chapter 1 Principles of Centrifugal Process Pumps -- Pump Performance: Head and Flow -- Operation at Zero Flow -- Impellers and Rotors -- The Meaning of Specific Speed -- Process Pump Types -- Process Pump Mechanical Response to Flow Changes -- Recirculation and Cavitation -- The Importance of Suction Specific Speed -- What We Have Learned -- References -- Chapter 2 Pump Selection and Industry Standards -- Why Insist on Better Pumps -- ANSI and ISO vs. API Pumps -- What We Have Learned -- References -- Chapter 3 Foundations and Baseplates -- Securing Pumps in Place - With One Exception -- Why Not to Install Pump Sets in the As-Shipped Condition -- Conventional vs. Prefilled Baseplate Installations -- Epoxy Prefilled Baseplates -- How to Proceed If There Is No Access to Specialist Firms -- What We Have Learned: Checklist of Foundation and Baseplate Topics -- References -- Chapter 4 Piping, Stationary Seals, and Gasketing -- Pipe Installation and Support -- Sliding Supports and Installation Sequence Deserve Special Attention -- Monitoring Pipe Stress While Bolting Up -- Flange Leakage -- What to Do Prior to Gasket Insertion -- Spiral Wound and Kammprofile

Gaskets -- Pipe, Hydraulic Tubing or Flexible Connections? --
Gusseting -- Concentric vs. Eccentric Reducers -- Vibration Problems in Piping -- Proven Ways to Control Piping Vibration -- Addressing Piping Vibration Issues -- Small Bore Piping Issues -- What We Have Learned -- References -- Chapter 5 Rolling Element Bearings --
Bearing Selection Overview and Windage As a Design Problem -- Radial vs. Axial (Thrust) Bearings -- Oil Levels, Multiple Bearings and Different Bearing Orientations -- Upgrading and Retrofit Opportunities --
Bearing Cages -- Bearing Preload and Clearance Effects -- Bearing Dimensions and Mounting Tolerances.
What We Have Learned -- References -- Chapter 6 Lubricant Application and Cooling Considerations -- Lubricant Level and Oil Application -- Issues with Oil Rings -- Pressure and Temperature Balance in Bearing Housings -- Cooling Not Needed on Pumps with Rolling Element Bearings -- Oil Delivery by Constant Level Lubricators -- Black Oil -- Lubricant Application As Oil Mist (Oil Fog) -- Desiccant Breathers and Expansion Chambers -- What We Have Learned -- References -- Chapter 7 Lubricant Types and Key Properties -- Lubricant Viscosities -- When and Why High Film Strength Synthetic Lubricants Are Used -- Lubricants for Oil Mist Systems -- What We Have Learned -- References -- Chapter 8 Bearing Housing Protection and Cost Justification -- Noncontacting Bearing Protector Seals -- Contacting Bearing Protector Seals -- How Venting and Housing Pressurization Affect Bearing Protector Seals -- Cost Justification Overview -- Advanced Bearing Housing (Bearing Protector Seal) Summary -- What We Have Learned -- References -- Chapter 9 Mechanical Sealing Options for Long Life -- Still Using Packing? -- General Overview of Mechanical Seals -- All Flush Plans Have Advantages and Disadvantages -- Always Obtain the Full Picture -- Seal Chamber Pumping Ring (Circulating Device) Technologies -- Lessons Apply to Many Services -- What We Have Learned -- References -- Chapter 10 Pump Operation -- Starting Centrifugal Pumps -- Surveillance of Pump Operation -- Optimum Pump Switching Interval -- Centrifugal Pump Shutdown -- Addressing Post Start-up Issues -- Avoiding Parallel Pump Operating Problems -- What We Have Learned -- References -- Chapter 11 Impeller Modifications and Pump Maintenance -- Maintenance Essentials -- Superior Maintenance Requires Upgrading -- Impeller Upgrading with Inducers -- Distance from Impeller Tip to Stationary Internal Casing Components.
Impeller Trimming -- Impeller Wear Rings -- Vane Tip Overfilling and Underfilling -- Carbon Graphite Wear Rings and Bushings -- What We Have Learned -- References -- Chapter 12 Lubrication Management -- How Bad Is Water Contamination? -- Avoid Solids Contamination -- Avoid Questionable Oil Storage and Transfer Practices -- Periodic Audits -- What We Have Learned -- References -- Chapter 13 Pump Condition Monitoring: Pump Vibration, Rotor Balance, and Effect on Bearing Life -- Vibration and Its Effect on Bearing Life -- Monitoring Methods Differ -- Vibration Acceptance Limits -- Causes of Excessive Vibration -- Rotor Balancing -- What We Have Learned -- References -- Chapter 14 Drivers, Couplings, and Alignment -- Driver Selection -- Coupling Selection and Installation -- Installation and Removal -- Alignment and Quality Criteria -- Consequences of Misalignment -- Thermal Rise and Predefinition of Growth -- What We Have Learned -- References -- Chapter 15 Fits, Dimensions, and Related Misunderstandings -- Low Incremental Cost of Better Pumps -- Pump Pedestals and Bearing Housings Should Not Be Water-Cooled -- Summary of Bearing-Related Issues -- Constant Level Lubricators -- Bearing Housing Protector Seals ("Bearing Isolators") -- Motor

Lubrication Summary -- Mechanical Seal Issues -- Hydraulic Issues -- Impeller Hydraulics -- Mechanical Improvement or Upgrade Options -- Process Pump Repair Dimensions -- What We Have Learned -- References -- Chapter 16 Using Failure Statistics and Root Cause Analysis Findings to Guide Reliability Improvement Efforts -- Mean-Time-Between Failures and Repair Cost Calculations -- Performing Your Own Projected MTBF Calculations -- Older Pumps vs. Newer Pumps -- Reliability Reviews Start Before Purchase -- Structured Failure Analysis Strategies Solve Problems -- The "FRETT" Approach to Eradicating Repeat Failures of Pumps.

Analyzing Pump Failure Data -- Why We Use Reliability Tools -- Cumulative Failure Trends -- Addressing Pump "Bad Actors" -- What We Have Learned -- References -- Chapter 17 Repair, Replace, or Modify? -- Repair or Replace? -- Repair and Spare Part Philosophies -- Making the Business Case for Centrifugal Pump Upgrades -- Payback Time Examples -- Example 17.1 -- Example 17.2 -- Some Final Advice on Upgrades -- Centrifugal Pump Hydraulic Rerates -- Rerate Case Study -- Replacing Existing Pump with an Entirely Different Model Pump -- What We Have Learned -- References -- Chapter 18 Centrifugal Pump Monitoring Strategies -- Pump Monitoring Recommendations Based on Criticality -- How to Use This Matrix -- Example 18.2: High Production Impact (Follow dashed arrows in Table 18.3) -- A Survey of Vibration Sensors -- Wireless Sensors -- Wired Sensors with Dynamic Outputs -- Wired Loop-Powered Vibration Transmitters with 4-20 mA Outputs -- Evaluating Sensor Information -- Vibration Monitoring Analysis Requirements -- More on Sensor Technology -- What We Have Learned -- References -- Chapter 19 Final Thoughts -- Index -- EULA.

3. Record Nr.	UNISALENT0991000497699707536
Autore	Cherubini, Umberto
Titolo	Copula methods in finance / Umberto Cherubini, Elisa Luciano, and Walter Vecchiato
Pubbl/distr/stampa	Hoboken, NJ : John Wiley & Sons, c2004
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Collana	Wiley finance series
Classificazione	AMS 91B28 LC HG106.C49
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