

# Introduction to the Technology and Application of Mechanical Seals

## - Reliability Basics Training -

**EagleBurgmann®**  
Academy



|                           |   |
|---------------------------|---|
| <b>Location</b>           | EagleBurgmann Industries LP<br>The Richard Currie Auditorium<br>10035 Brookriver Drive, Houston, TX 77040, USA      |
| <b>Date</b>               | <b>Quarterly, and additionally out of turn if required<br/>(For next available sessions: Please check website.)</b> |
| <b>Suggested Audience</b> | Maintenance Technicians / Supervisors / Engineering Staff   |
| <b>Cost</b>               | Please contact us for detailed information.   |
| <b>Class Size Limit</b>   | 20  |
| <b>Training Design</b>    | Interactive / Relevant / Hands On / Reliability Focused<br>(We provide breakfast and lunch on both training days.)  |

| Day 1        | Subject  | Speaker / Trainer              |
|--------------|--|--------------------------------|
| 8.00-8.15    | Welcome at EagleBurgmann US  | Member of Upper Management     |
| 8.15-11.00   | Sealing Technology <ul style="list-style-type: none"> <li>- Sealing Situations, Terminology</li> <li>- Functional Principles &amp; Classification</li> </ul>   | Academy                        |
| 11.00-11.30  | Materials <ul style="list-style-type: none"> <li>- Stress Factors, Materials for Sliding Parts, Coatings</li> </ul>  | Academy                        |
| 11.30-12.00  | Identify / Analyze Mechanical Seals – Breakout Workshop  | Academy                        |
| 1.00-1.30    | Tour through Operations (Houston Shop Floor)   | Shop Floor Manager             |
| 1.30-2.30    | Seal Assembly / Disassembly – Getting to know the Seal   | Application Engineer           |
| 3.00-4.30    | Equipment Performance Checks <ul style="list-style-type: none"> <li>- Preparation</li> <li>- Hands-on Activity</li> </ul>  | Application Engineer           |
| <b>Day 2</b> |  |                                |
| 8.00-8.30    | Drawings – Read and understand Seal Assembly Drawings  | Application Engineer           |
| 8.30-9.30    | Seal Installation / Removal – Hands on activity  | Application Engineer           |
| 10.00-10.30  | Piping Plans & API Testing Protocol  | Application Engineer           |
| 10.30-12.00  | Seal Failure Analysis <ul style="list-style-type: none"> <li>- Awareness (Group Workshop)</li> <li>- Examine damaged Parts (Breakout Workshop)</li> </ul>  | Application Engineer / Academy |
| 1.00-4.00    | Pump Operation <ul style="list-style-type: none"> <li>- Basic Hydraulics (flow vs. head)</li> <li>- Centrifugal Pump Performance Curves</li> <li>- Cavitation &amp; Net positive Suction Head</li> <li>- Best Practices</li> </ul> | Application Engineer           |
| 4.00-4.30    | Wrap up / Certificates   | Academy                        |

Register on website, or e-mail to:

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