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| 1. Record Nr.           | UNINA9910140803803321  |
| Titolo                  | AIChE equipment testing procedure [[electronic resource] ] : mixing equipment (impeller type) // prepared by the Equipment Testing Procedures Committee of the American Institute of Chemical Engineers  |
| Pubbl/distr/stampa      | New York, N.Y., : American Institute of Chemical Engineers, 2001   |
| ISBN                    | 1-282-78338-6<br>9786612783388<br>0-470-93555-3<br>0-470-93554-5   |
| Edizione                | [3rd ed.]  |
| Descrizione fisica      | 1 online resource (148 p.)   |
| Collana                 | AIChE equipment testing procedure  |
| Disciplina              | 660.283  |
| Soggetti                | Mixing machinery - Testing<br>Chemistry, Technical - Equipment and supplies - Evaluation<br>Impellers - Testing<br>Electronic books.   |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Note generali           | Description based upon print version of record.  |
| Nota di bibliografia    | Includes bibliographical references and index.   |
| Nota di contenuto       | AIChE Equipment Testing Procedure: Mixing Equipment (Impeller Type); Contents; Figures; 100.0 Purpose and scope; 101.0 Purpose; 102.0 Scope; 103.0 Liability; 200.0 Definition and Description of Terms; 201.0 Introduction; 202.0 Mixing Equipment; 202.1 Equipment Configurations; 202.2 Impellers; 202.3 Vessels; 202.4 Auxiliary Equipment; 203.0 Basic Nomenclature; 203.1 Equipment Variables; 203.2 Mixing Related Dimensionless Groups; 203.3 Process Related Dimensionless Groups; 204.0 Operating Conditions; 205.0 Types of Tests; 205.1 Operating Performance; 205.2 Mechanical Conditions 205.3 Mechanical Operation205.4 Mixer Support Structure; 205.5 Process Conditions; 206.0 Performance Criteria; 300.0 Test Planning; 301.0 Preliminary Considerations; 301.1 Safety; 301.2 Environmental; 301.3 Test Objectives; 301.4 Multiple Applications; 302.0 Plans for Operating Performance Tests; 302.1 Speed; 302.2 Power; 302.3 Torque; 303.0 Plans for Mechanical Condition Tests; 303.1 Equipment Verification; 303.2 Alignment; 303.3 Runout; 303.4 Gear Tooth |

Contact; 303.5 Seals; 303.6 Auxiliary Equipment; 303.7 Vibration; 303.8 Noise; 304.0 Plans for Mechanical Operation Tests 305.0 Plans for Process Condition Tests 305.1 Miscible Liquid Blending; 305.2 Heat Transfer; 305.3 Immiscible Liquid Dispersion; 305.4 Solids Suspension in Liquid; 305.5 Gas-Liquid Dispersion; 305.6 Variable Conditions; 305.7 Other Measurable Results; 306.0 Performance Criteria; 400.0 Measurement Methods & Instruments; 401.0 Introduction; 402.0 Operating Performance Measurements; 402.1 Speed; 402.2 Power; 402.3 Torque; 403.0 Mechanical Condition Measurements; 403.1 Alignment and Adjustment; 403.2 Runout; 403.3 Gear Tooth Contact Pattern; 403.4 Seals; 403.5 Auxiliary Equipment; 403.6 Vibration 403.7 Noise 403.8 Temperature; 404.0 Mechanical Operation Measurements; 404.1 Natural Frequency; 404.2 Shaft strain; 404.3 Deflection; 404.4 Spectral Analysis; 405.0 Process Condition Measurements; 405.1 Density or Specific Gravity; 405.2 Viscosity; 405.3 Physical State; 405.4 Chemical Composition; 405.5 Other Physical/Chemical Properties; 406.0 System Operating Conditions; 406.1 Temperature; 406.2 Pressure; 406.3 Liquid Level, Volume, and Flow; 406.4 Phase Ratios; 406.5 Blend Time; 406.6 Sampling; 500.0 Test Procedures; 501.0 General Test Procedures; 502.0 Preliminary Operation and Safety 502.1 Instruction Manuals 502.2 Check for Debris in Vessel; 502.3 Check for Obstructions; 502.4 Pre-Operational Check; 502.5 Hand Turning; 502.6 Jog; 502.7 Hydrostatic Pressure Tests; 502.8 System Test in Air; 502.9 System Water Test; 503.0 Operating Performance Tests; 503.1 Speed; 503.2 Power; 503.3 Torque; 504.0 Mechanical Condition Tests; 504.1 Alignment and Adjustments; 504.2 Runout; 504.3 Gear Tooth Contact Patterns; 504.4 Seals; 504.5 Auxiliary Equipment; 504.6 Vibration; 504.7 Noise; 504.8 Temperature; 505.0 Mechanical Operation Tests; 505.1 Natural Frequency 505.2 Deflections of Structure

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#### Sommario/riassunto

The latest edition of this industry-friendly guide to evaluating the performance of mixing equipment brings this traditional process operation into the 21st century. The book starts with basic definitions and terms, and goes to detail test planning and procedures, and computation and evaluation of results. Appendices offer a troubleshooting checklists, sample log.

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| 2. Record Nr.           | UNINA9910784487703321  |
| Titolo                  | Crescent of crisis [[electronic resource] ] : U.S.-European strategy for the greater Middle East / / editors, Ivo Daalder, Nicole Gnesotto, and Philip Gordon  |
| Pubbl/distr/stampa      | Washington, D.C., : Brookings Institution Press, c2005   |
| ISBN                    | 1-280-81272-9<br>9786610812721<br>0-8157-1687-7  |
| Descrizione fisica      | 1 online resource (273 p.)   |
| Altri autori (Persone)  | DaalderIvo H<br>GnesottoNicole<br>GordonPhilip H. <1962->  |
| Disciplina              | 327.560182/1   |
| Soggetti                | International relations<br>Middle East Foreign relations United States<br>United States Foreign relations Middle East<br>Middle East Foreign relations Europe<br>Europe Foreign relations Middle East  |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Note generali           | Includes index.  |
| Nota di bibliografia    | Includes bibliographical references and index.   |
| Nota di contenuto       | Finding a shared approach to the crescent of crisis / Ivo H. Daalder, Nicole Gnesotto, and Philip H. Gordon -- A multilateral approach to Iran / Kenneth M. Pollack -- The Iranian nuclear crisis / Bruno Tertrais -- Israel-Palestine : U.S. strategy for resolving the Israel-Palestinian conflict / Martin Indyk -- Putting the Israel-Palestinian peace process back on track / Yezid Sayigh -- Syria and Lebanon : different roads to Damascus / Flynt Leverett -- Promoting democracy and human rights in Lebanon and Syria / Eva Goes and Reinoud Leenders -- Iraq: from democratization to governance / James Dobbins -- Reconstituting the Iraqi state: a European perspective / Toby Dodge -- Afghanistan : proposals for improved stability in Afghanistan / Barnett Rubin -- Afghanistan : elements of an Atlantic nation-building strategy / Michael Schmunk -- Pakistan and the crescent of crisis / -- Stephen P. Cohen -- The case of Pakistan : a strategy for Europe / Jean-Luc Racine |

-- A common U.S.-European strategy on the crescent of crisis / Ivo H. Daalder, Nicole Gnesotto, and Philip H. Gordon.  
America, Europe, and the crescent of crisis / Ivo Daalder, Nicole Gnesotto, and Philip Gordon -- A common approach to Iran / Kenneth M. Pollack -- The Iranian nuclear crisis / Bruno Tertrais -- Israel-Palestine : U.S. strategy for resolving the Israeli-Palestinian conflict / Martin Indyk -- Putting the Israeli-Palestinian peace process back on track / Yezid Sayigh -- Syria and Lebanon : different roads to Damascus / Flynt Leverett -- Promoting democracy and human rights in Lebanon and Syria / Eva Goes and Reinoud Leenders -- Iraq: from democratization to governance / James Dobbins -- Trying to reconstitute the Iraqi state: a European perspective / Toby Dodge -- Afghanistan : proposals for improved stability in Afghanistan / Barnett R. Rubin -- Afghanistan : elements of transatlantic nation-building strategy / Michael Schmunk -- Pakistan and the crescent of crisis / Stephen P. Cohen -- The case of Pakistan : a strategy for Europe / Jean-Luc Racine -- A common U.S.-European strategy on the crescent of crisis / Ivo Daalder, Nicole Gnesotto, and Philip Gordon.

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#### Sommario/riassunto

The greater Middle East is beset by a crescent of crisis-a region of urgent danger stretching from Pakistan to Afghanistan, through Iran and Iraq, all the way to the Syria/Lebanon question and the Israeli-Palestinian conflict. The specific problems range from terrorism and nuclear proliferation to the rise of fundamentalism and a lack of democracy. These crises pose perhaps the most pressing security challenges to Europe and the United States today. Unfortunately, the U. S. and its allies across the Atlantic generally have approached them in separate ways, often resulting in tense transat

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