

DIN EN 14343:2006-11 (E)

Rotary positive displacement pumps - Performance tests for acceptance

| Contents | | Page |
|---|--------------------------------------|-------------|
| page | Foreword | 3 |
| 1 | Scope | 4 |
| 2 | Normative references | 4 |
| 3 | Terms and definitions | 4 |
| 3.1 | General | 4 |
| 3.2 | Types of test | 4 |
| 3.3 | Test levels | 5 |
| 3.4 | Other terms | 5 |
| 4 | Performance requirements | 6 |
| 5 | Organisation | 6 |
| 5.1 | Responsibility for test | 6 |
| 5.2 | Test location | 6 |
| 5.3 | Test date | 6 |
| 5.4 | Test programme | 6 |
| 6 | Equipment | 7 |
| 6.1 | Test equipment | 7 |
| 6.2 | Measurement equipment | 8 |
| 7 | Test conditions | 9 |
| 7.1 | Test condition variables (TCV) | 9 |
| 7.2 | Fluctuations | 9 |
| 8 | Test procedure | 10 |
| 8.1 | Pre-run data | 10 |
| 8.2 | Operating the pump | 10 |
| 8.3 | Collection of test data | 11 |
| 8.4 | After test | 11 |
| 9 | Evaluation and test report | 12 |
| 9.1 | Readings and primary data | 12 |
| 9.2 | Accuracy | 12 |
| 9.3 | Acceptance limits | 13 |
| 9.4 | Evaluation | 13 |
| 9.5 | Test report | 14 |
| Annex A (informative) Example of rotary displacement pump test loop | | 15 |
| Annex B (informative) Priming test | | 16 |