

DIN 51517-4:2025-05 (E)

Lubricants - Lubricating oils - Part 4: Lubricating oils C LPX, Minimum requirements

| Contents | | Page |
|---|--|-------------|
| Foreword | | 3 |
| 1 Scope | | 4 |
| 2 Normative references | | 4 |
| 3 Terms and definitions | | 5 |
| 4 Designation | | 5 |
| 5 Requirements and testing | | 5 |
| 6 Precision and cases of dispute | | 10 |
| Annex A (normative) Read-across guidelines for application to different ISO viscosity grades (ISO VG) | | 11 |
| Annex B (informative) Recommended levels of elastomer compatibility | | 14 |
| B.1 Elastomer compatibility with reference elastomer SRE NBR 28/SX | | 14 |
| B.2 Elastomer compatibility with elastomers used in practice | | 14 |
| Annex C (informative) Paint compatibility and compatibility of paint systems | | 16 |
| Annex D (informative) Filterability | | 17 |
| D.1 General | | 17 |
| D.2 Single-pass filterability test | | 17 |
| D.3 Multi-pass filterability test | | 18 |
| Bibliography | | 20 |

Figures

| | |
|---|----|
| Figure D.1 — Single-pass filterability test | 18 |
| Figure D.2 — Multi-pass filterability test | 19 |

Tables

| | |
|--|----|
| Table 1 — Minimum requirements | 7 |
| Table A.1 — Read-across method | 12 |
| Table B.1 — SRE NBR 28/SX after 7 days ± 2 h at (100 ± 1) °C | 14 |
| Table D.1 — Overview of the test procedures on filterability of industrial gear oils | 17 |