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## CERTIFICATE OF CALIBRATION

### ISO 17025 / ISO Guide 34 Viscosity Standard

|               |                 |                      |                       |                    |
|---------------|-----------------|----------------------|-----------------------|--------------------|
| <b>Oil No</b> | <b>Batch No</b> | <b>Date of Issue</b> | <b>Certificate No</b> | <b>Expiry Date</b> |
| PSU3000       | 4200405         | 28/02/2026           | PSU3824               | 07/02/2029         |

| <b>Temperature<br/>°C</b> | <b>Kinematic<br/>Viscosity<br/>mm<sup>2</sup>/s (cSt)</b> | <b>Dynamic<br/>Viscosity<br/>mPa.s (cp)</b> | <b>Viscosity<br/>Krebs Units ‡</b> | <b>Density<br/>g/cm<sup>3</sup></b> |
|---------------------------|-----------------------------------------------------------|---------------------------------------------|------------------------------------|-------------------------------------|
| 20.00                     | 7015                                                      | 6190                                        | ◇                                  | 0.8824                              |
| 23.00                     | 5433                                                      | 4785                                        | 140                                | 0.8807                              |
| 25.00                     | 4605                                                      | 4050                                        | 134                                | 0.8795                              |

This oil was manufactured and tested on our behalf in a laboratory accredited by UKAS to ISO 17025 and ISO Guide 24. Kinematic viscosity measurements have been made in accordance with ASTM D2162 using long capillary Master Viscometer at all temperatures. See also ASTM D445, D446, D2171, ISO 1304, ISO 3105 IP71 Sections 1 and 2 IP222. The Viscosity date reported is based on the *primary standard of pure water at 20°C (ITS-90) having a value of 1.0034mm<sup>2</sup>s (cSt) ±0.17% as adopted by NIST, ASTM IP and ISO.* Density measurements were based on ASTM D1480. Temperature measurements were made using thermometers specified in ASTM D2162 which have a current calibration traceable to the National Physical Laboratory (NPL), ~National Institute of Standards and Technology (NIST) and other recognized national standards laboratories. The calibrations of this product are traceable to NIST.

‡ Calculated using the method described in ASTM D562

◇ Out of range

CAPO125 – 40 Poise