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CERTIFICATE OF CALIBRATION

ISO 17025 / ISO Guide 34 Viscosity Standard

Oil No	Batch No	Date of Issue	Certificate No	Expiry Date
2162/5	2201111	19/12/2025	PS3909	18/12/2028

Temperature °C	Kinematic Viscosity mm ² /s (cSt)	Dynamic Viscosity mPa.s (cp)	Viscosity Krebs Units ‡	Density g/cm ³
20.00	323.0	280.1	◇	0.8671
21.00	301.9	261.6	◇	0.8665
22.00	282.4	244.5	◇	0.8659

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 data reported is based on the primary standard of pure water at 20°C (ITS-90) having a value of 1.0034mm²/s (cSt) ±0.17% as adopted by NIST, ASTM IP and ISO (ISO 3666). Density measurements were based on ASTM D1480. Temperature measurements were made using thermometers specified in ASTM D2162 & ASTM D1480, which have a current calibration traceable to recognised standards, the National Physical Laboratory (NPL), ~National Institute of Standards and Technology (NIST) and other recognised national standards laboratories. The calibrations of this product are traceable to NIST.

‡ Calculated using the method described in ASTM D562

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