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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
PSU2000	2200504	04/08/2024	PSU3791	03/08/2027

Temperature °C	Kinematic Viscosity mm ² /s (cSt)	Dynamic Viscosity mPa.s (cp)	Viscosity Krebs Units ‡	Density g/cm ³
20.00	834.5	727.1	77	0.8713
23.00	670.2	582.7	71	0.8695
25.00	582.0	505.4	68	0.8683

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 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 1.0034mm²s (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

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