

Group II Base Oil 90BS

Technical specifications

Inspection date: 2026-09-21

Specification limits and measured results are separate. Results apply to the source sample or batch and may vary between deliveries.

Parameter / unit	Specification	Measured result	Test method
Appearance	Clear, no flocculent matter	Clear, no flocculent matter	Visual
Kinematic viscosity at 100 °C (cSt)	Report	23.03	GB/T 265-1988
Kinematic viscosity at 40 °C (cSt)	Report	181.8	GB/T 265-1988
Viscosity index	≥90	154	GB/T 1995-1998
Color number	≤1.0	<0.5	GB/T 6540-2025
Flash point, open cup (°C)	≥260	294	GB/T 3536-2008
Pour point (°C)	≤-9	-21	GB/T 3535-2025
Saturates (mass %)	≥95	98.0	SH/T 0607-1994
Density at 20 °C (kg/m³)	Report	837.5	GB/T 1884-2000
Acid number (mg KOH/g)	≤0.02	0.007	GB/T 7304-2000
Demulsibility at 82 °C (min)	Report	5	GB/T 7305-2003
RPVOT (min)	≥250	375	SH/T 0193-2022
Sulfur (mg/kg)	≤50	1.2	SH/T 0689-2000

Source document: 90 BS.pdf