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PT and viscosity measurements of High-Temperature Ammonia Heat Pump Lubricants

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Highlights

- measurement of miscibility, density, vapour pressure, and viscosity
- based on DIN and ASTM with self-built and commercial equipment
- accuracy meets the requirements of industrial and commercial refrigeration
- calculating miscibility gap from vapour pressure measurement data
- discussion on topics regarding viscosity reduction by diluted refrigerant
- comparison of Daniel chart with other published data

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