

## Innovation and Experience at Work

## **EvoLube TEK670**

EvoLube TEK670 is synthetic hydrocarbon grease thickened with polyurea. It has been formulated as industrial and automotive multi-purpose lubricant. It is specifically recommended for high speed rolling element bearing applications. EvoLube TEK670 has excellent tribochemistry under sub-elastohydrodynamic conditions, excellent resistance to thermo-oxidation, and superior oil separation characteristics.

BASE OIL CHARACTERISTICS			TYPICAL VALUE *
Туре			Synthetic Hydrocarbon
Temperature Service Range (°C)			-50 – 125
GREASE CHARACTERISTICS			TYPICAL VALUE *
Thickener			Polyurea
Color			Off White
Appearance			Smooth
NLGI Grade			1
Penetration (ASTM D217 / DIN 51804-T1)	Unworked		290 min.
	Worked	60X	310-340
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)			260 min.
Oil Separation (ASTM D6184)	24h at 100°C		1.0%
Oil Separation (ASTM D1742)	24h at 25°C and 1.72 kPa		4.7%
Evaporation (CTM-1)	24h at 100°C		0.21%
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 38 °C		1.0%
Apparent Viscosity (Brookfield Viscometer T-C spindle, 1 rpm)	-40°C		2,280,000 cP
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg <sub>f</sub>		0.51mm
Low Temperature Torque (ASTM D1478)	-40°C	Start	884 g⋅cm
		Run 10 min	377 g⋅cm
		Run 60 min	182 g⋅cm
	Load Wear Index		59.18
Four Ball Extreme Pressure	Last Non-Seizure Load (scar)		80 kg (0.38mm)
(ASTM D2596 / DIN 51350-T4)	Last Seizure Load (scar)		315 kg (2.76mm)
	Weld Load		400 kg

**Engineered Custom Lubricants** 

ISO/TS16949:2009 • Registered QMS

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