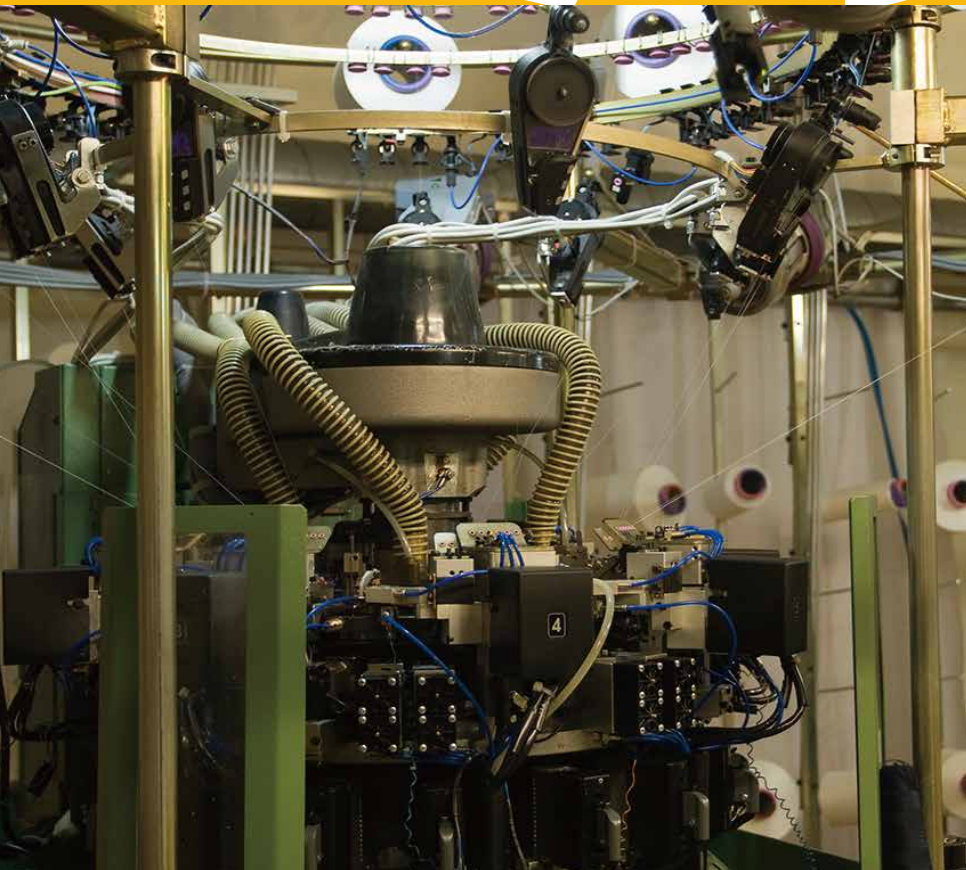




Special Textile Oil

- *Quality formulated specially for use with modern textiles and thread machinery.*
- *Absolutely will not stain – washes out easily with water.*
- *Provides extreme high-speed performance – up to 20,000 rpm.*

TRUST Save Money
OMEGA Enhance Performance
TO Extend Service Life



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OMEGA ULTIMATE LUBRICANTS

SPECIAL FEATURES

Omega 790 Special Textile Oil is the light-bodied, colorless lubricant with high lubricity and exceptional stability that has been designed for reliable, long-lasting performance.

- **Omega 790** is quality formulated specially for use with machinery used in today's textiles and thread industries.
- **Omega 790** absolutely will not stain or mark fabric – it's entirely scourable and washable easily with water.
- **Omega 790** provides extremely high-speed performance – up to 20,000 rpm.

OUTSTANDING PROPERTIES

Omega 790 is the special textile oil that:

- Penetrates that hair-thin space between "blade" and "bolster" on textile spindles, yet clings tenaciously to metal surfaces in high-speed operation.
- Has lowest possible viscosity so that power loss from internal friction is held to the absolute minimum.
- Helps prevent seizing compounds from building up on needles to enable smooth, continuous operation.
- Helps prevent static electricity build-up to minimize a leading cause of fires when large build-ups suddenly discharge.

USE FOR

Omega 790 is a viscosity balanced lubricant that meets most engineer's demands for high-speed applications. Special pour point depressants in **Omega 790** provide the stability required to keep viscosity at development point without thickening.

Omega 790 is a remarkable wetting agent that minimizes "fly" when carding, while displaying unparalleled resistance to oxidation and corrosion. **Omega 790** emulsifies so that it is easily washed away with water and does not affect subsequent fabric dyeing operations.

Use **Omega 790** on high-speed textile spindles and thread machinery, knitting machines and sewing machines.



Omega
The Ultimate Lubricant

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The information contained in this publication is to the best of our knowledge and accurate at the time of issue in October, 2016

DESCRIPTION:

Omega 790 is a superior quality, blended, textile spindle and thread lubricant. It is completely scourable and does not stain or mark fabric. In addition, it will not discolor the fabric or alter the fabric structure in any way. It provides the operational characteristics for extremely high speed performance of up to 20,000 rpm. It is also capable of maintaining a cooler running temperature for long periods. Omega 790 ensures dramatic decreases in downtime.

STAIN RESISTANCE:

Omega 790 is completely stain-resistant. It contains highly active biocrillers that readily and rapidly emulsify with ordinary cold water. Ordinary oils currently being used in the textile industry not only stain the fabric, but are often impossible to remove without the use of hot (or warm) water and tedious, costly washing with detergents followed by a series of rinses. Omega 790 has an affinity for water and it allows the molecular structure to combine and form an evaporative reaction, taking the Omega 790 with it.

TENACITY:

Omega 790 forms a "hard to fling" clingability with the high speed spindle mechanism. It remains in position despite irregular and fluctuating speed actions. This feature ensures that all parts of the machinery are given maximum protection during high speed operations.

IMPACT RESISTANCE:

Omega 790 is fortified with impact-resistant supplements that inhibit shock, pressure, load and impression. Ordinary oils not only cannot withstand the high speed movement of the spindle, but also become bruised and damaged after short operating intervals, rendering the friction area highly susceptible to breakdown and wear.

RESISTS GUMMING AND STICKING:

One of the major causes of energy "drag" in the highly competitive and costly textile industry is lubricant deterioration leading to the formation of surface gums and deposits on friction areas. Omega 790 positively resists such action and thereby ensures maximum efficiency without drag. Omega 790 can decrease energy consumption by as much as 18.5%.

ULTRA LOW VISCOSITY:

Omega 790 is a viscosity-balanced lubricant which meets most engineer's demands for high speed applications. Special pour point depressants provide the stability required to keep the viscosity at development point without thickening.

To sum up, Omega 790 possesses the following distinctive advantages:

1. Omega 790 is both a thread lubricant and a machine lubricant.
2. Omega 790 is a remarkable wetting agent.
3. Omega 790 minimizes "fly" when carding.
4. Omega 790 displays outstanding oxidation resistance.
5. Omega 790 does not form scums when scoured.
6. Omega 790 does not affect subsequent fabric dyeing operations.
7. Omega 790 is an excellent anti-static agent. It prevents the build-up of static electricity on the thread; with Omega 790, textile machinery can be operated at higher speed without the risk of thread breaking.

TYPICAL DATA:

TEST	ASTM TEST METHOD	TEST RESULT	
		SAE 5-10	SAE 20
ISO Viscosity Grade	D-2422	22	68
Appearance	Visual	Light Amber	Light Amber
Density Kg/L @ 15°C	D-1298	0.867	0.887
Viscosity, cSt @ 40°C	D-445	20.5	75.4
Viscosity, cSt @ 100°C	D-445	4.02	8.69
Viscosity Index	D-2270	98	95
Oxidation Resistance	D-2272	Excellent	Excellent
Emulsion Stability (1:10)	Proprietary	No Separation	
Impact Supply %	-	1.79	1.79
Speed Stability	-	22,000 rpm	19,600 rpm
Corrosion Resistance	-	No.1 Rating	No.1 Rating
Scum Formation	-	Nil	Nil

The characteristics given above are typical of current production only and slight batch to batch variations should be expected.