Ωmega 790

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	SAE 5-10	SAE 20
ISO Viscosity Grade	D-2422	22	68
Appearance	Visual	Water White	Water White
Density Kg/L @ 15°C	D-1298	0.867	0.887
Viscosity, cSt @ 40°C	D-445	20.5	75.4
@ 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