

Eiffel Velocity SM 10, 15, 22, 32

High Performance Sewing Machine Oils



Product Data Sheet

Product Description

Eiffel Velocity SM range of lubricants are premium quality oils specifically formulated for the lubrication of high-speed machine elements in industrial sewing machines. These oils are formulated from very high quality hydro-treated, low viscosity base oils and optimum additive technology system to provide improved thermal, oxidation and color stability. They are available in 4 viscosity grades, Eiffel Velocity SM 10 (ISO VG 10), SM 15 (ISO VG 15), SM 22 (ISO VG 22) and SM 32 (ISO VG 32).

Features & Benefits

- Excellent protection and lubrication of bearings, worm gears and cams, helps in reducing equipment downtime and energy loss.
- Excellent oxidation stability prevents product deterioration and extends oil life
- Enhanced color stability ensures product does not change color and stain fabric.
- Effective corrosion protection results in longer equipment life and reduced maintenance costs.
- Good water washability characteristics.

Specifications

Eiffel Velocity SM series meets or exceeds following International and Builder specifications:

- DIN 51524 Part 2 HLP type
- Denison HF-0 (T6H20C)
- ISO 11158 (HM fluids)
- Cincinnati Machine P-62

Application

Eiffel Velocity SM series are suitable for use in low to moderate pressure Hydraulic systems, where low viscosity oils are recommended.

- Suitable for use in high-speed components of industrial sewing machines, bearings and spindles.
- Also suitable for use in low to moderate duty worm gears and cams systems.

Typical Characteristics

Eiffel Velocity	Test Method	Units	SM 10	SM 15	SM 22	SM 32
ISO Viscosity Grade	ISO 3448	-	10	15	22	32
Color	ASTM D 1500	-	<1.0	<1.0	<1.0	<1.0
Appearance	Visual	-	Light Color Clear Liquid			
Solubility	Visual	-	Soluble in Water (Milky-White Solution)			
Density @ 15 °C	ASTM D 4052	gm/cc	0.835	0.840	0.845	0.855
Viscosity @ 40 °C	ASTM D 445	cSt	11.0	15.5	22.4	32.4
Viscosity @ 100 °C	ASTM D 445	cSt	2.85	3.56	4.67	5.60
Viscosity Index	ASTM D 2270	-	105	110	128	110
Pour Point	ASTM D 97	°C	-12	-21	-21	-21
Flash Point (COC)	ASTM D 92	°C	174	190	195	215
Copper Strip Corrosion	ASTM D 130	-	1A	1A	1A	1A

The above figures are typical of blends with normal production tolerance and do not constitute a specification.