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Product Data Sheet



NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current.

SYNTHETIC MIST OIL

DMO SERIES

Summit DMO Series are ester-based, high performance lubricants that offer superior surface wetting capabilities and misting properties. Because of its polarity, bearing failures can be reduced by as much as 90 percent.

DMO Series lubricants provide high resistance to oxidation and offer exceptional EP and anti-wear properties. The misting properties of DMO Series are unmatched when considering low stray mist percentage, low line condensate percentage, and high reclassified oil percentage. The high quality base oil and additive components help in the elimination of reclassifier plugging.

Applications:

- Processing pumps, electric motors and blowers
- Industrial gearing such as cooling tower gear boxes
- High speed bearings
- Steam turbines
- Open and closed loop oil mist systems

Physical Properties

PRODUCTS	DMO-32	DMO-46	DMO-68	DMO-100	DMO-150
ISO Grade	32	46	68	100	150
Viscosity					
@ 40°C, cSt	32.3	47	69.6	102.2	157.4
@ 100°C, cSt	6.18	8.23	9.2	11.7	15.5
Viscosity Index	142	149	108	102	101
Specific Gravity	0.9244	0.9394	0.9701	0.9641	0.9617
Pour Point, °F (°C)	-67 (-55)	-76 (-60)	-44 (-42)	-45 (-43)	-42 (-41)
Flash Point, °F (°C)	485 (252)	485 (252)	475 (246)	510 (266)	505 (263)
Fire Point, °F (°C)	540 (282)	545 (285)	534 (279)	550 (288)	570 (299)
Rust	Pass	Pass	Pass	Pass	Pass
Foaming	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
4-Ball Wear (mm)	0.4	0.4	0.40	0.38	0.40
Color	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Reclassified Oil	75.4%	77.3%	79.1%	80.3%	80.8%
Line Condensate	7.9%	8.3%	8.5%	8.6%	10.3%
Stray Mist	16.7%	14.4%	12.4%	11.1%	8.9%

Shelf Life: Product shelf life is 3 years from the date of manufacture, after which the product should be recertified prior to use.