

S2.2.3 Longer Life Nylon Spunbond Fabric for Filtration Media

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At typical diesel engine operating temperatures, even small amounts of ethylene glycol can rapidly attack polyester media used in many lube oil filters, while nylon media components have proven to be chemically resistant to ethylene glycol attack. Filter manufacturers are now developing products that are designed to extend filter service life intervals where the opportunity for ethylene glycol or other corrosive chemical attack increases. In response to this market need, CEREX Advanced Fabrics has been developing new nylon spunbond fabrics that incorporate a proprietary polymer additive that can significantly extend its service life in a corrosive lubrication oil environment. This presentation will briefly review the results of the prior ethylene glycol contamination studies and discuss the improved durability and service life of the nylon spunbond fabrics containing the proprietary additive when exposed to diesel lubrication oils at typical engine operating temperatures and conditions.