

# TECHNICAL BULLETIN

Number 1038

Rev. 0

## **Subject: White-Superior Engine Oil Filtration**

Over the years, there have been several changes/modifications to the lubricating oil filters and filter housings used on the White Superior engine. We have compiled a listing of the various part numbers and a general description of each. We would also like to address the micron rating issue that is generally attached to various filters.

### **Nominal Vs. Absolute Rating**

Oil filter efficiency is normally described by a filter micron rating; there are two main rating used, the “nominal rating” and the “absolute rating”. The type of filter construction determines what rating method is used.

Sock type filters are manufactured by rolling a fiber material around a perforated tube; this type of filter has an inconsistent blend of its filtering media. Sock filters would be rated using a “nominal” micron rating. For example a 20 micron sock type filter would filter 80% of entrained particles that are 20 micron and larger.

Stainless steel or mesh type filters are rated using an “absolute” micron rating. Due to the close manufacturing tolerance of the mesh used, a consistent “hole” size can be maintained throughout the entire filter. A mesh type filter rated at 20 microns would not allow any particle larger than 20 microns to pass.

### **Filter Part Numbers and Micron Ratings**

Over the years, there have been several different oil filter types used in the Superior engines. Below is a general breakdown and short description of the most common filters.

#### **P-758-465**

Construction: Wood wool / fiberglass mat  
Rating: 20-25 nominal micron  
Notes: Supersedes to P-758-510

#### **P-758-510-1**

Construction: Cotton, wood excelsior blend  
Rating: 30-35 nominal micron  
Notes: This filter available by special request

#### **P-758-510**

Construction: Cotton, wood excelsior blend  
Rating: 10-15 nominal micron  
Notes: Current “Standard” part number

#### **P-OMS-758-133**

Construction: Stainless steel mesh  
Rating: 25 absolute micron  
Notes: Re-usable, environ. friendly, improved efficiency

For further information concerning White-Superior filters, please contact **EnDyn's** Technical Service Department or your local authorized **PowerParts®** Distributor.

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