

ENGINEERING BULLETIN

June 11, 2002

Wear Conditions Found on Cummins Engine Mounting Bases

Hastings Filters is publishing this bulletin to inform our customers of potential worn thread conditions on the lube filter bases of some Cummins engines. We have discovered that the threaded aluminum studs on Cummins ISM, M11 and N14 engines are susceptible to significant thread wear. The resulting thread condition reduces the amount of thread contact between the lube filter and the mounting base. Ultimately, this could jeopardize the ability of the threaded stud to retain the lube filter in a sealed position.

Our Service Engineering group received a lube filter base from a Cummins N14 engine, which

was removed from service due to worn threads. Figures 1 & 3 show the thread wear on this base. The first six threads (60%) of the used base are worn excessively compared to the threads of an unused base (Figures 2 & 4). This reduction in thread contact could allow the lube filter to loosen and release oil from the engine.

Hastings Filters recommends that installers thoroughly examine the threads on these bases prior to the installation of the lube filter to prevent it from loosening during service. If there is noticeable thread wear, the base should be replaced.



Figure 1



Figure 2



Figure 3



Figure 4

It is the intent of Hastings Filters to continually inform our customers of potential problems they may encounter with the use of their equipment. This bulletin is not intended to imply liability of the engine manufacturer. We are simply notifying our customers of conditions that exist in the industry.

**If you have further questions,
please contact our
Service Engineering Team at (800) 887-8836.**