

## KSL with auxiliary lubrication unit for I.D. fan journal bearings

Years ago, Transfluid was asked to supply four variable speed units to drive fans for an incinerator plant dust filtration system.

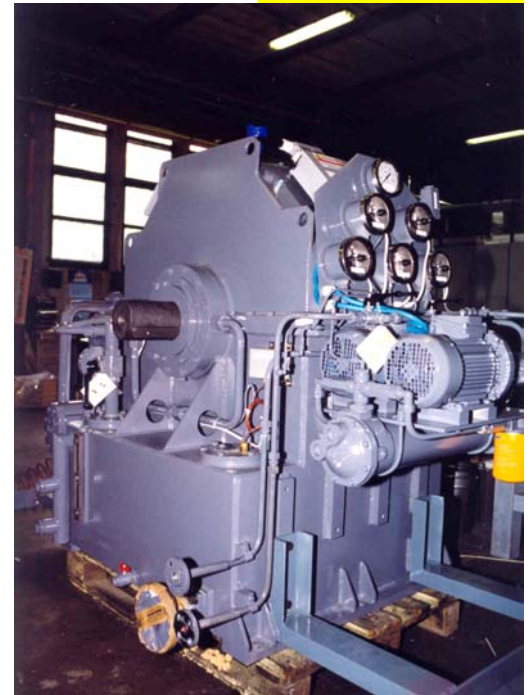
Design dictated that each fan had a separate lubrication unit for the two fan shaft support bearings.

Transfluid, after having been advised by the bearing manufacturer with regard to lubrication requirements, proposed a KSL side mounted unit using oil from KSL sump. This unit is completely integrated with the supplied automatic control board, continuously checking all lubrication data together with KSL working data. Start up is permitted only if all parameters are within set values. Stopping procedure assures lubrication until fan shaft is still. The unit provides separate oil cooling to keep temperature as steady as possible and also provides stand-by motorpump for emergency purposes.

To accomplish the very strict noise requirement (<75 dB(A)), the KSL were enclosed inside special sound proof covers. Some interesting features are the side windowed doors to reach instrumentation, the inside walls covered by special material (to avoid damage by oil moisture coming from the KSL breather), the ease of installation and removal.

This is one of the very many custom-made solutions that Transfluid has realized since its foundation in 1957.

Beside standard transmission products, engineering and customized items are within our company mission.



Lub. unit side view



Inside the sound proof cover

**drive with us**

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