

'Providing Tribological Solutions'

NEWS RELEASE

MOV LONG LIFE PAPERS AT MUG CONFERENCE Clearwater, Florida, January 2003

There were several papers with data on MOV Long Life that were given at the 2003 Motor Operated Valve Users Group meeting. Summaries are given below;

Floyd Bensinger with Flowserve presented a paper titled 'Rate of Loading'. The lubricants included Molykote P37, Mobilgrease 28, Pure Nickel Special, Never Seeze N-500 and MOV Long Life. MOV Long Life was one of the best for both Inconel and 410T stems with a low ROL matching the anti-seize pastes. However, Long Life should be better because it does not contain solids like the pastes which might have worn the stems. This was based on examination of the grease residue after the tests.

Kevin DeWall presented work done by INEE (Idaho National Engineering and Environmental Laboratory) on testing of valve stems lubricants. This was funded by the NRC (Nuclear Regulatory Commission). MOV Long Life did very well and was said to be similar to or an improvement over other lubricants previously tested. The frictional behavior was stable and repeatable over a wide temperature ranges. Long Life was also tested to five years while Chevron SRI and Mobilgrease 28 only went to 2 1/2 years. A more complete report is also available as INEEL/EXT-02-00975, 'MOV Stem Lubricant Aging Research', September 2002 by K.G DeWall and J.C. Watkins.

Ken Brown, Utility Service Associates presented 'All-in-one Grease – An Update On MOV Long Life'. This summarized the work on stems and the main gearbox as well as presented new data for the limit switch gearbox. Based on independent oven aging, pin on disc tests and corrosion testing MOV Long Life is at least as good, if not better, than both Mobilgrease 28 and Beacon 325. Consequently, it can be used without sacrifices in performance on the stems, in the main gearbox and in the limit switch gearbox.

For copies of the presentations or information on how to get them contact Ken Brown at 888 442-5008 or e-mail kenbrown@fluidcenter.com.

**Technical questions, product use, test data and reports;
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