



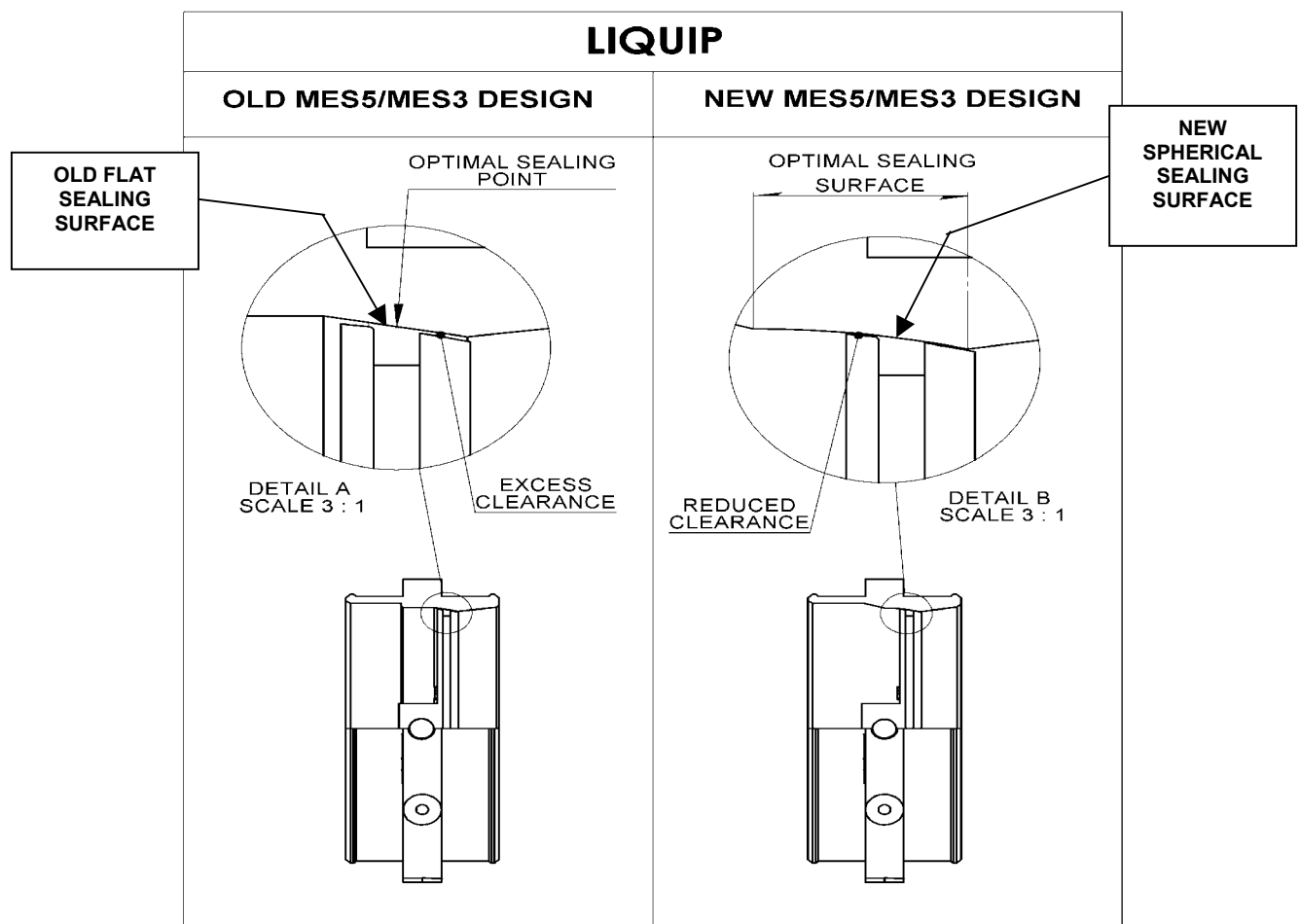
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Tech Talk 0065. Improvements To Engine Stranglers. MES5 & MES3

Both the MES3 (3 inch) and the MES5 (5 inch) Mechanical Engine Stranglers have undergone the following design changes.

- The clearances between the disc and the body have been reduced, which minimises the chance of an engine continuing to run, due to airflow bypassing the disc in the closed position.
- The Bodies now have a spherical sealing surface, as opposed to the old flat surface. The main benefit of this is that previously, unless the disc was closed exactly parallel with the body, the clearance increased, reducing the amount of o-ring squash. This increased the chance of air bypassing the o-ring, possibly allowing the engine to remain running, or slowing the shut down time in an emergency situation. Refer to the illustration below.



- Other tolerances, such as the shaft through hole have been tightened. All these improvements have resulted in a more precise, less “agricultural” product.