

# NEW PRODUCT HIGHLIGHT | OCT2021



## febi 176331

To Fit:  
Mercedes-Benz Trucks Actros IV, Antos, Arocs



## Power Steering Pump

### Function

The steering of heavy trucks is almost impossible to move without steering assistance. In order to relieve the driver and keep the necessary force on the steering wheel low, most vehicles use hydraulic steering assistance. The hydraulic pump driven by the engine, usually a gear pump or vane pump, provides the necessary oil pressure in the hydraulic system and thus enables steering power assistance through a hydraulic cylinder in the steering gear.

### Cause of Failure

Power steering pumps are generally designed to be very stable – at least as long as they are supplied with sufficient hydraulic oil which provides the necessary lubrication. Air can enter the system through leaks in the suction area or through inadequate venting after a repair. If the pump sucks in air, it runs dry and the lubrication breaks off. At high speeds this means serious damage within a very short time. Dirty hydraulic oil can also damage or destroy the pump.

For more technical information please visit: [partsfinder.bilsteingroup.com](https://partsfinder.bilsteingroup.com)