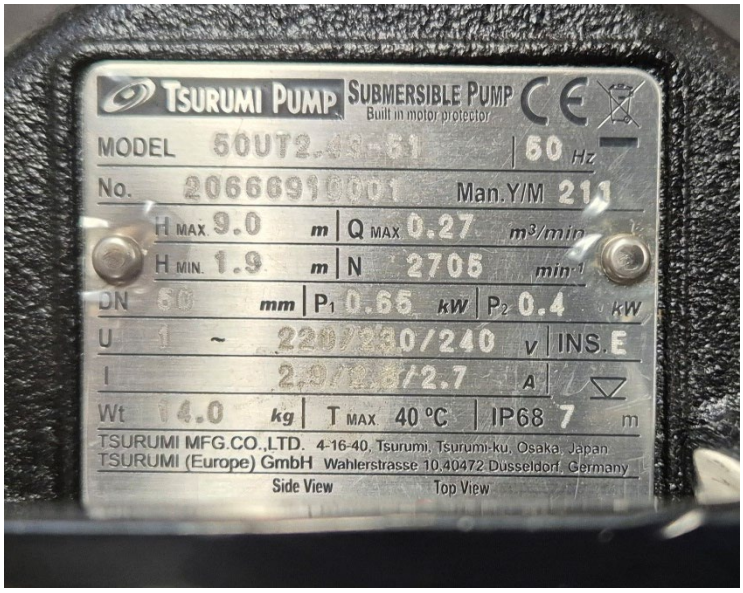
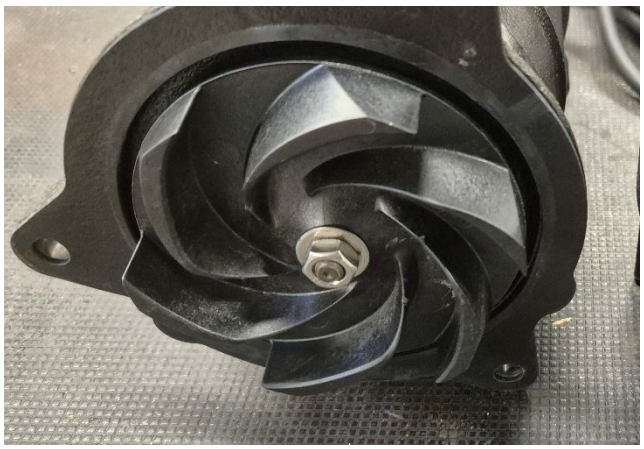
TSURUMI PUMP
STRONGER FOR LONGER

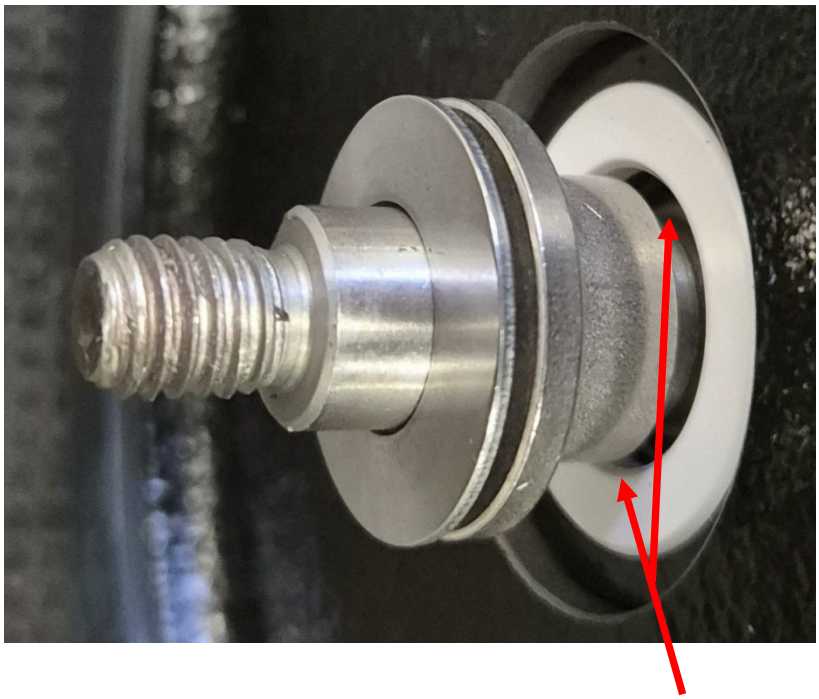
Topic: Service life extension of Tsurumi pump type UT

The Tsurumi pump of the UT series is designed as a sewage pump and is often used as a construction pump. In this application area, sediments are often pumped. Since this pump type is not equipped with a V-ring on the shaft protection sleeve, the use with abrasive medium in construction water leads to increased wear. The sediment gets between the shaft and the lower mechanical seal, which leads to faster wear and allows water to enter the oil chamber. This, in turn, leads to a faster failure of the pump, as the shaft protection sleeve is not equipped with a V-ring. However, with minimal effort and the use of a V-ring on the shaft protection sleeve, the service life can be significantly extended, and the pump can be used as a construction pump without any problems.



TSURUMI PUMP
STRONGER FOR LONGER

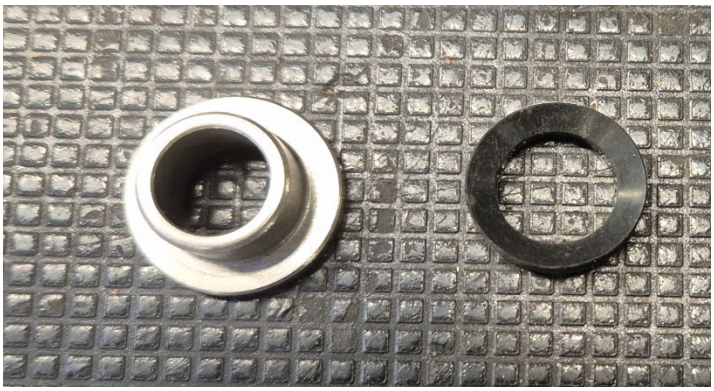


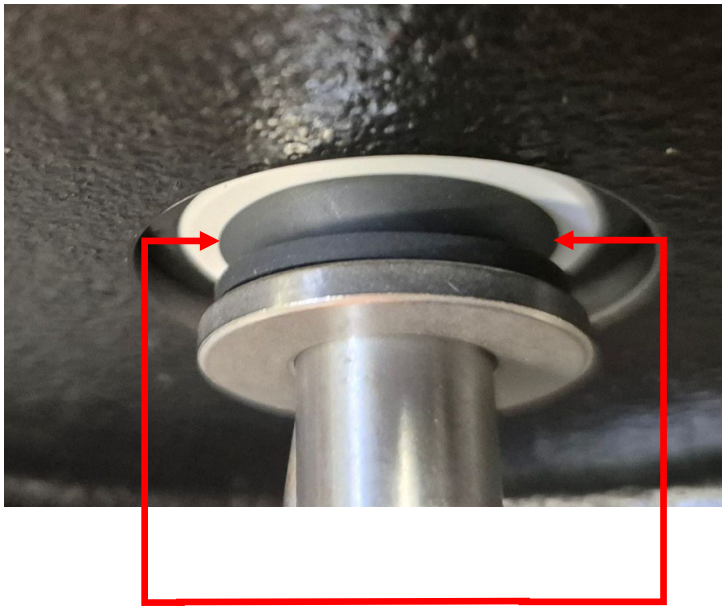


Through a gap between the V-ring and the lower mechanical seal, building water with deposits between the shaft and the mechanical seal reaches the inner sealing surface. This leads to increased pump wear and failure of the pump.

TSURUMI PUMP
STRONGER FOR LONGER

Solution: **use of a V-ring**





By using a V-ring, the gap between the shaft and the lower mechanical seal is closed. No construction water with sediment reaches the sliding surface, as is also the case with other pump series such as HS, LB etc.

20240816_073948.mp4