

4 Issues That Can Mean A Pump Change

Damage from cavitation

When bubbles form and explode inside pumps, the change in pressure can cause physical damage to the internal components, including the impeller. The damage can be irreparable or too expensive to fix. The only option is to replace the pump.



Damaged shaft

A misaligned or improperly installed belt or chain drive can exert abnormal pressure on a pump's shaft. Depending on the load and pressure, this can completely break a shaft or result in cracks or fractures. Usually, the only solution is to replace the pump.



Rust damage

Lack of regular maintenance or infrequent use can cause a pump to develop rust. If not removed soon enough, the rust can gradually eat into the metal parts of a pump. This can greatly reduce a pump's efficiency. If the rusting is severe, replacing the pump is the only option.



Damage from deposit build-up

If a pump is not regularly cleaned, the contaminants in the fluid flowing through the pump can build up over time. Examples include, salt deposits and sludge. Excessive build-up of deposits can be extremely difficult to remove and can even damage the internals of a pump physically. In extreme cases, pump replacement becomes unavoidable.



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