

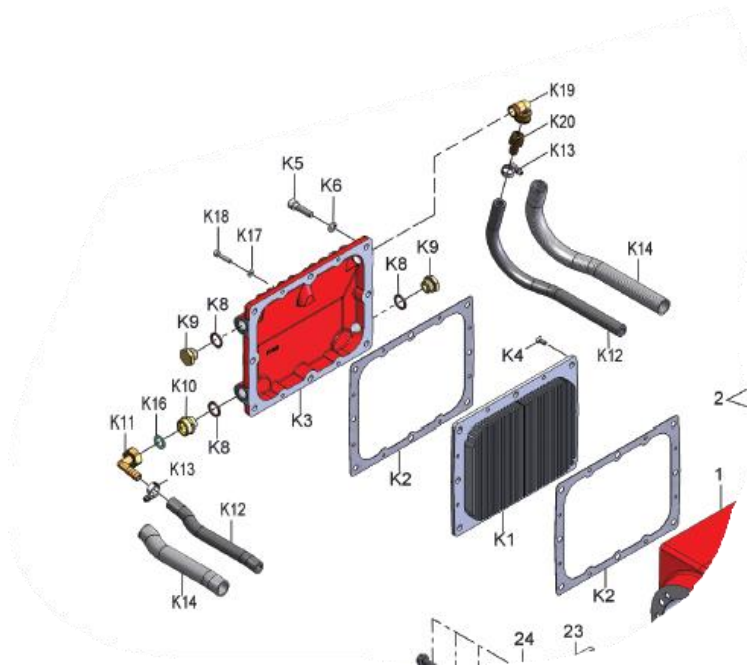
**DATE:** 08/20/2024

**RE:** Design change to oil-cooler for GP7500/GP7600 series pumps

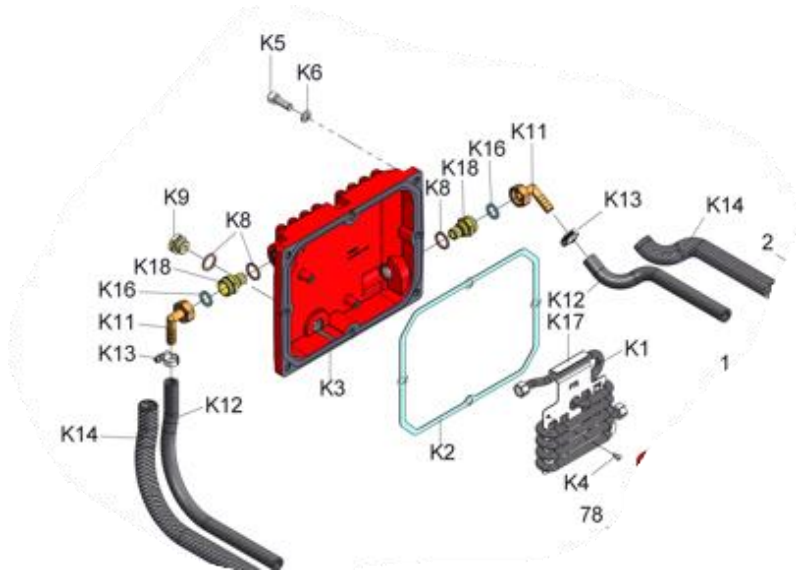
**Introduction:** The purpose of this memo is to inform Giant Industries' staff and its customers of a design change on the oil cooler assembly that is used in pumps that are currently using a cooler plate design to reduce the oil temperature in the gear end of pumps.

The advantages of the new cooler are:

- Fewer parts and simpler design
- Better cooling performance
- Higher Efficiency
- Better sealing as only one seal (item K2) is required for the crankcase instead of two seals.
- Quicker and easier assembly, with no risk of interference (if a gearbox is added to a standard design)
- Equal thermal expansion as the cover and crankcase are made of the same material.
- Better corrosion resistance with stainless steel cooling coils rather than an aluminum plate.
- Higher inlet pressure allowed (from 29 PSI to 145 PSI)
- Better venting of stainless-steel cooling coil.
- External dimensions are the same - no major changes for existing pump systems.
- Ability to retrofit new design into existing pumps.



**Older Design**



**New Design**