

Service guide

Photo GuideAPP 11 - 22 for claim or repair issue

1. General information

In connection with a claim or a repair issue of the Danfoss APP 11 - 22 pumps, it is important that we have appropriate information and photos.

This guide provides information about the 'Claim/Repair Information Document' and the required information. Similarly, this guide also provides the specific part group photos needed for review by your Danfoss service technician*.

*Note: we request ALL photos be provided, not just photos of parts that appear damaged.

Information form shown on the right:

Pump - product information:

- Pump type
- Danfoss code no.
- Serial number

Pump - operation conditions:

- Inlet pressure
- Outlet pressure
- Rpm
- Hours of operation
- Filtration inmicron if Nominel or Absolute
- Flow
- Water temperature
- TDS

Pump - additional if possible:

- Permeate flush before shut down (yes or no)
- Number of starts per day (average)
- If VFD is used Ramp up and down time

Reason for pump failure / break down:

2. Idenfication



Pump idenfication label (Serial no.)



3. Coupling



1. Coupling distance (check before disassembling

4. Shaft seal



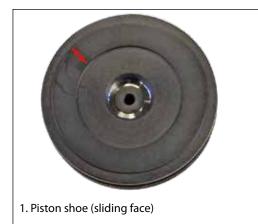
1. Shaft seal (Dynamic rubber bellow part)







5. Piston shoe

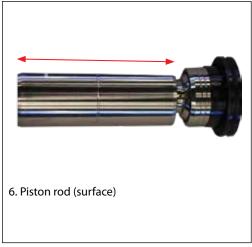






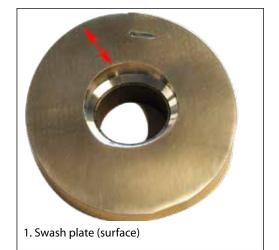








6. Swash plate

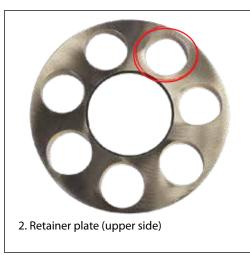


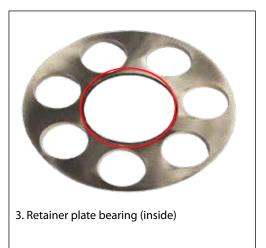


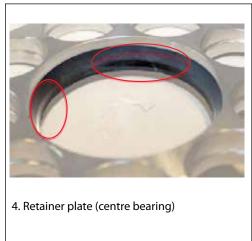
2. Bearing inside swash plate (surface)

7. Retainer ball and plate





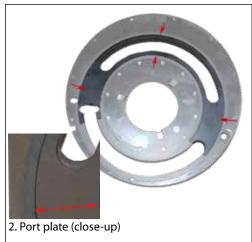






8. Port plate





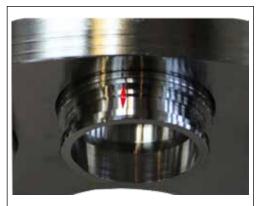


9. Valve plate









1. Valve plate (thrust pad, close-up)

10. Housing



11. Cylinder barrel



1. Cylinder barrel (out side surface)

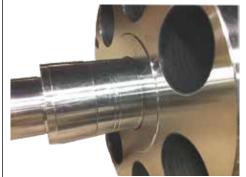


2. Cylinder barrel (in side bushings)





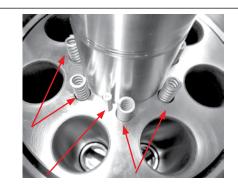
3. Cylinder barrel (shaft surface)



4. Place where shaft is screwed into barrel



5. Place where shaft is screwed into barrel



6. Pins and springs (surface)

ENGINEERING TOMORROW



Danfoss A/S

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