Pump type: ........................................
Serial number: ....................................

Start-up of the pump system: ............................. (month/year)

New plant □ existing plant □ year of erection: .................
Replacement of existing pumps: yes □ no □

Total duty: ........................................... kW
Refrigerant: ...........................................
Oil: ............................................. (brand name or specification)

Standby-pump: yes □ no □
Pumping ratio: .........................
Selected flow rate at this ratio: ..................... m³/hrs
Differential pressure over the pump: .......... bar (p_{behind~the~pumps} − p_{surge~drum})
Hours of operation: ........................................

Voltage: .........................V RPM: .........................

Check valve behind the pump? yes □ no □
Is the stop valve behind the pump closed during stand-still? yes □ no □
Vent line behind the pump installed? yes □ no □
Vent line ∅ ............ mm
Regulating valve in the vent line: ......................... (brand and type),

Oil reservoir checked and with sufficient oil? yes □ no □
When was the shaft seal changed last time? ............. month ago

Evaporating temperature in the surge drum: .................................
Field of application: HP □ LP □

Installation: Suction line ∅: ..................... mm
Height above suction flange to bottom of drum: ................... m

Please attach a sketch of pipework to pump and other pumps showing valve types and positions. If horizontal headers are used to one or more pumps, please indicate all pipe sizes on the sketch.
Fittings in the suction line:  
- valve Ø .......... mm
- Valve type .................................. (brand, model)
- Automatic operated: yes □  no □

Fittings in the discharge line:  
- Discharge valve .................(brand, model)
- Check valve ...............................(brand, model)

Safety equipment:  
- Differential pressure switch.......................(brand, model)
- adjusted pressure .......... bar
- Low level cut out of the pump yes □  no □

Surge drum:  
- Horizontal □ or vertical □
- Diameter: ......................... mm
- Length: ............................. mm
- Minimum level setpoint .............. mm (to bottom of surge drum)
- Vortex breakers in the downleg yes □  no □

Compressor:  
- Piston □  Screw □
- Compressor capacity: ...................... kW
- Max. pressure difference per day ........ bar
- Amount of pressure differences > 1 bar per hour ...........

Evaporators:  
- Air cooled □
- Plate □
- Froster □
- Other: .............................................................

  - Distance evaporators – pump: ........ m
  - Height evaporators – pump: ............. m
  - Is each evaporator separately controlled: yes □  no □
  - Amount of evaporators: ........ pcs.

Condenser:  
- Evaporating/aircooled condenser □
- Plate condenser □
- Other: .............................................................

  - Control of the condensate at:  HP □  LP □

Thank you for your help!!
Fax: +49-241-182 08-490 or email: info@th-witt.com