



Pump-Checklist

Plant information

Datum: Aug. 2012

W 2161-7.04-E

Blatt 1 / 2

MW

Date:
Customer:
Contact:
Reported problem:

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 ($p_{\text{behind the pumps}} - p_{\text{surge drum}}$)
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 \varnothing 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 \varnothing : 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.



Pump-Checklist

Plant information

Datum: Aug. 2012

W 2161-7.04- E

Blatt 2 / 2

MW

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 variations > 1 bar per hour

Evaporators: Air cooled
Plate
Froster
Other:

Distance evaporators – pump: m
Height evaporators – pump: m
Is each evaporator separatly 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!!

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