Information on application

Description of application: ________________________________________________________________

______________________________________________________________________________________

______________________________________________________________________________________

Information on the operating fluid

Oil type:  ☐ Hydraulic oil  ☐ Lubricating oil  ☐ Insulation oil  ☐ __________________________

Oil designation: __________________________ Manufacturer: ________________________________

Oil viscosity (40°C):  □ cP        □ cSt       □ mm²/s

Oil density:  □ kg/l  □ kg/m³  □ lb/US gal  □ lb/ft³

Oil quantity in the system:  ________________ liters  □ US gal  □ m³

Oil temperature:  Normal operation:  __________________________

min.  ______ max.  ______  □ °C  □ °F

Sealing material:  ☐ NBR  ☐ FPM (Viton®)  ☐ __________________________

Oil analysis:  ☐ not available  ☐ available and attached as appendix

Water content:  Actual value:  ______ ppm  Desired value:  ______ ppm

Water entry:  __________________________ □ l/day  □ US gal/day
Conditions of use

Installation site:  
- indoors  
- outdoors  
- near the sea  
- tropics  
- __________

Special conditions
(e.g. chemicals, water, dust etc.):

Installation altitude (above sea level): __________ m  __________ ft

Ambient temperature range: min. __________ °C  max. __________ °C

Humidity:

max. __________ % rel. humidity @ __________ °C  __________ °F

max. __________ g/m³  __________ gr/ft³ absolute humidity

Max. permissible sound pressure level: __________ dB (A)

Distance between installation site and connection point: __________ m  __________ ft

Height difference between installation site and oil level in the tank:

The unit is  
- above the oil level in the tank  
- below the oil level in the tank

Version:
- mobile (with castors and hose holder)  
- stationary (with feet)

Electrical specifications

Electrical data: __________ Volts / __________ Hz / __________ 1 phase  __________ 3 phases

Voltage tolerance: + __________ %  - __________ %

Frequency tolerance: + __________ %  - __________ %

Required protection class: IP __________

Other information

CE conformity necessary?  
- yes  
- no

Installation country: __________

Documentation language:
- German  
- English  
- French  
- __________

Notes:

_________________________________________________________________________

_________________________________________________________________________

_________________________________________________________________________

_________________________________________________________________________

_________________________________________________________________________

_________________________________________________________________________
Explosion protection

Explosionproof version necessary? □ yes □ no

Specifications of the owner's explosion protection documentation according to ATEX directive 137 (99/92/EC). There must be a division for the external environment (installation site) and the inside of the unit.

Explosive atmosphere (outside)? □ yes □ no

Equipment group:
□ I Devices for use both in underground operation of mines and in their surface systems
□ II Devices for use in the other areas

Equipment category:
□ 1 very high degree of safety – may be used in zones 0/20 1/21 2/22
□ 2 high degree of safety – may be used in zones 1/21 2/22
□ 3 normal degree of safety – may be used in zone 2/22

Type of explosive atmosphere:
□ G Mixture of air and gases, vapors or mist
□ D Dust/air mixture

Explosion group: □ IIA □ IIB1 □ IIB2 □ IIB3 □ IIB □ IIC □ IIB+H2 (hydrogen)

Temperature class:
□ T1 up to max. 450°C □ T2 up to max. 300°C □ T3 up to max. 200°C
□ T4 up to max. 135°C □ T5 up to max. 100°C □ T6 up to max. 85°C
□ deviating temperature class

Explosive gases in the oil (inside)? □ yes □ no

The following explosive gases may be found in the oil (name and chemical formula, concentration, CAS no.):

Equipment category:
□ 1 very high degree of safety – may be used in zones 0/20 1/21 2/22
□ 2 high degree of safety – may be used in zones 1/21 2/22
□ 3 normal degree of safety – may be used in zone 2/22

Explosion group: □ IIA □ IIB1 □ IIB2 □ IIB3 □ IIB □ IIC □ IIB+H2 (hydrogen)

Temperature class:
□ T1 up to max. 450°C □ T2 up to max. 300°C □ T3 up to max. 200°C
□ T4 up to max. 135°C □ T5 up to max. 100°C □ T6 up to max. 85°C

Nitrogen supply present near the installation location? □ yes □ no

Notes: