

Oil mist lubrication

1 Pump - uncooled (supplementary to section 6.1.1 of RPH operating instructions 1316.8011.1)

1.1 Lubricants Oil mist lubrication

Unscrew plugs 916.N3 and 916.N4 from the bearing bracket. Then screw in pipe unions NPT 1/4" for oil mist inlet and NPT 1/2" for oil mist outlet and connect the oil mist pipework. Apply oil mist quantities as stipulated by the suppliers of the oil mist lubrication units used.

1.2 Lubricants Conversion to oil bath lubrication

Undo screwed plugs 904.N1/903.N2 for the oil return hole and screwed plug 916.N2 from the bearing bracket. Screw in grub screw 904.43.

Unscrew oil mist connections - inlet and outlet - and close with plugs NPT 1/4" and NPT 1/2" (916.N3/.N4), respectively.

Then mount vent plug 916.03, constant level oiler 638 and protective cage 169-10 on the bearing bracket.

1.3 Lubricants Conversion from oil bath lubrication to oil mist lubrication

In addition to the operations described in item 1.1, replace constant level oiler 638 with plug as per ZN 2400 - A 1/2-14 NPT - Steel. Also replace vent plug 913.03 with plug as per ZN 2400 - A 1/2-14 NPT - Steel. Unscrew grub screws 904.43 and replace with grub screws as per DIN 916 - M 10 x 25, made of steel.

Caution The latter shall be mounted and sealed with an adhesive and must not protrude!

Plug the oil return holes under the pump-end bearing with plugs to DIN 916 - R 3/8 - A4 (L04 bearing bracket) or R 1/4 - (L01 to L03 bearing brackets).

Proceed as described in section 6.1.1 of RPH operating instructions 1316.8011.

2 Pump - cooled (supplementary to section 6.1.1 of RPH operating instructions 1316.8011.1)

2.1 Lubricants Oil mist lubrication (mixed lubrication)

Unscrew plugs 916.N3 and 916.N4 from the bearing bracket. Then screw in pipe unions NPT 1/4" for oil mist inlet, NPT 1/2" for oil mist outlet and connect the oil mist pipework. A suitable hose shall be laid from the oil sump overflow at the constant level oiler into the oil return line.

2.2 Lubricants Conversion to oil bath lubrication

Unscrew the oil mist inlet and outlet connections at the bearing bracket and close with plugs NPT 1/4"/NPT 1/2" (916.N3/913.03).

Remove the hose at the oil sump overflow of the constant level oiler.

Then mount protective cage 169-10 on the bearing bracket.

Proceed as described in section 6.1.1 of RPH operating instructions 1316.8011.