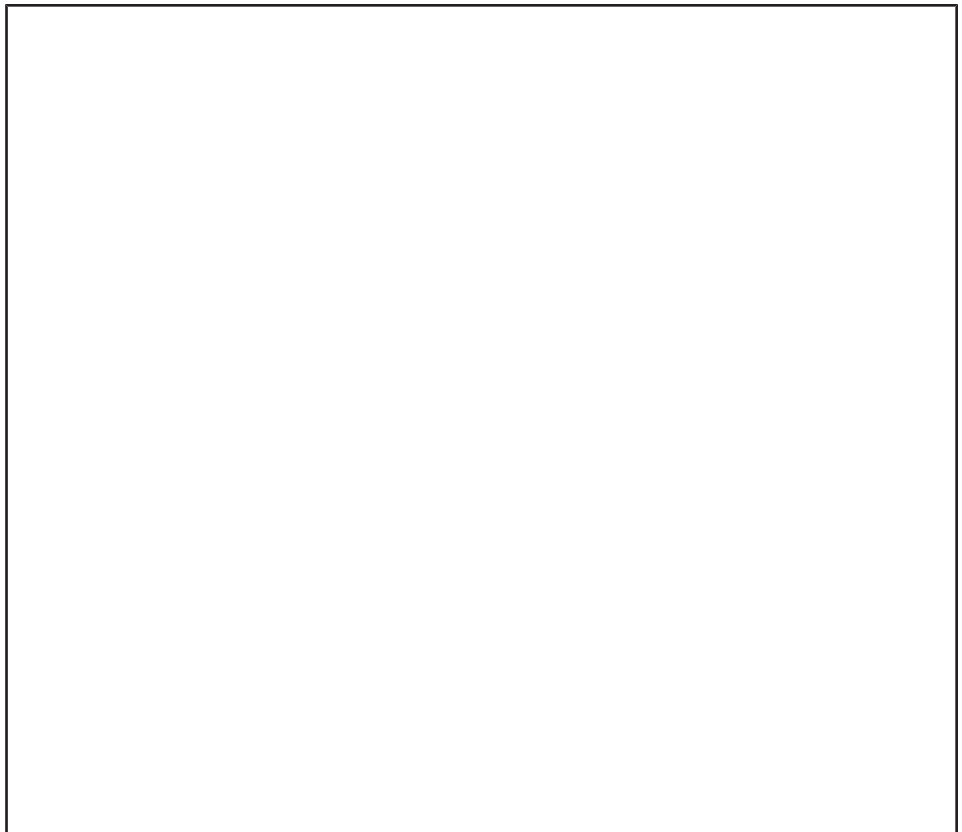


Oil Mist Lubrication

RPHb

Supplementary Operating Manual



Legal information/Copyright

Supplementary Operating Manual Oil Mist Lubrication

Original operating manual

All rights reserved. The contents provided herein must neither be distributed, copied, reproduced, edited or processed for any other purpose, nor otherwise transmitted, published or made available to a third party without the manufacturer's express written consent.

Subject to technical modification without prior notice.

© KSB SE & Co. KGaA, Frankenthal 22/01/2018

Contents

1	Supplementary Operating Manual	4
1.1	General.....	4
1.2	Uncooled pump	4
1.2.1	Fitting the oil mist lubrication system	4
1.2.2	Removing the oil mist lubrication system (conversion to oil-lubricated bearings).....	4
1.3	Cooled pump	4
1.3.1	Fitting the oil mist lubrication system	4
1.3.2	Removing the oil mist lubrication system (conversion to oil-lubricated bearings).....	4
1.4	General assembly drawing.....	5

1 Supplementary Operating Manual

1.1 General

This supplementary operating manual accompanies the installation/operating manual. All information contained in the installation/operating manual must be observed.

Table 1: Relevant operating manuals

Type series	Reference numbers of the operating/installation manuals
RPHb	1316.8012, 1316.8013

1.2 Uncooled pump

1.2.1 Fitting the oil mist lubrication system

1. Unscrew plugs 916.N3 and 916.N4 from the bearing brackets.
2. Screw in the pipe unions NPT 1/4" (for oil mist inlet) and NPT 1/2" (for oil mist outlet) and connect the oil mist pipework.
3. Apply oil mist quantities as stipulated by the manufacturers of the oil mist lubrication units used.

1.2.2 Removing the oil mist lubrication system (conversion to oil-lubricated bearings)

1. Remove screw plugs 916.N2 and flat steel elements 99-6.N1.
2. Unscrew and remove the oil mist inlet and outlet lines from the respective connections and close the connections with plugs 916.N3/.N4.
3. Open bearing covers 361.01/360.02 and place oil rings 644.01/.02 into the bearing brackets.
4. Fit bearing covers 361.01/360.02 again.
5. Fit vent plugs 916.N1, constant-level oilers 638.01/.03 and protective cages 169-10.01/.03 on the bearing brackets.

1.3 Cooled pump

1.3.1 Fitting the oil mist lubrication system

1. Unscrew plugs 916.N3 and 916.N4 from the bearing brackets.
2. 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.
3. Run suitable flexible tubing from the oil sump overflows at the constant-level oilers into the oil return lines.

1.3.2 Removing the oil mist lubrication system (conversion to oil-lubricated bearings)

1. Unscrew and remove the oil mist inlet and outlet lines from the respective connections at the bearing brackets and close the connections with plugs NPT 1/4"/NPT 1/2" (916.N3/913.03).
2. Remove the flexible tubing from the oil sump overflows of the constant-level oilers.
3. Fit protective cages 169-10.01/.03 on the bearing brackets.

1.4 General assembly drawing

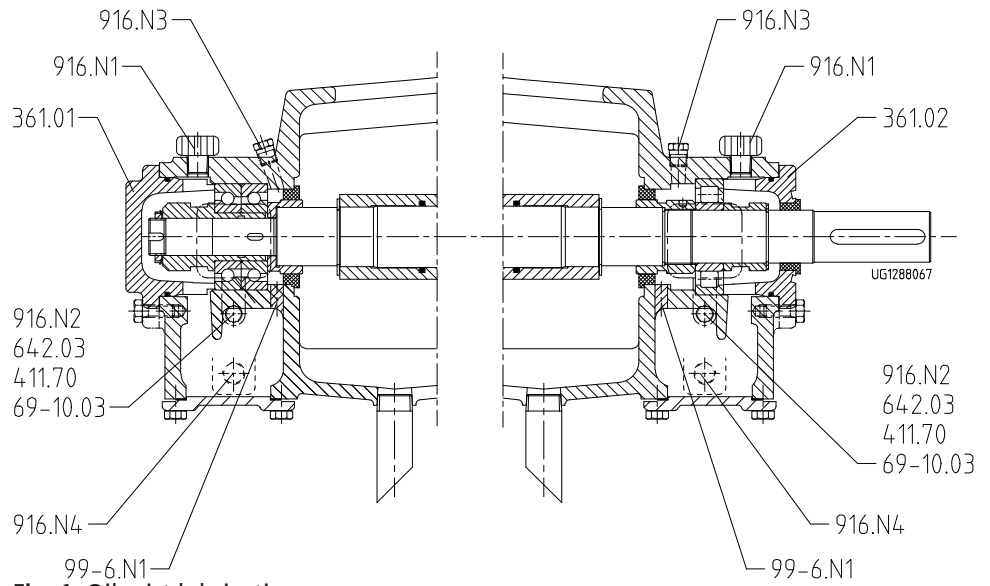


Fig. 1: Oil mist lubrication

Table 2: List of components

Part No.	Description
69-10.03	Protective housing
99-6.N1	Semi-finished product (flat steel)
361.01/02	Bearing end cover
411.70	Joint ring
642.03	Oil level sight glass
916.N1/.N2/.N3	Plug



KSB SE & Co. KGaA

Johann-Klein-Straße 9 • 67227 Frankenthal (Germany)

Tel. +49 6233 86-0

www.ksb.com