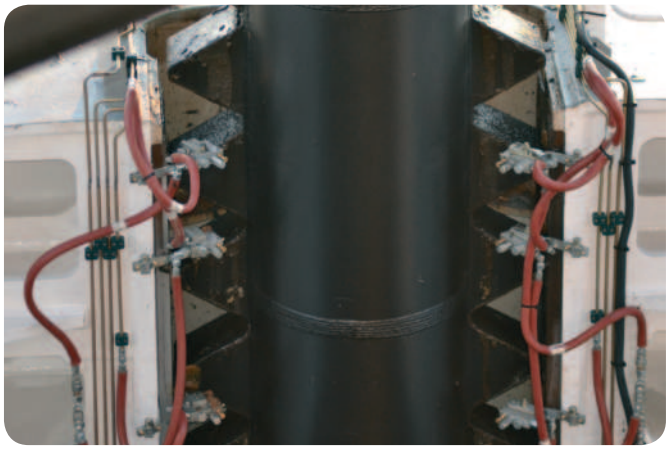
LINCOLN

Jack Up Reliability

Automatic lubrication systems for jacking systems

SKF

Automatic lubrication systems for jacking systems



Installation of spray nozzles to lubricate the gear rack of a jacking system

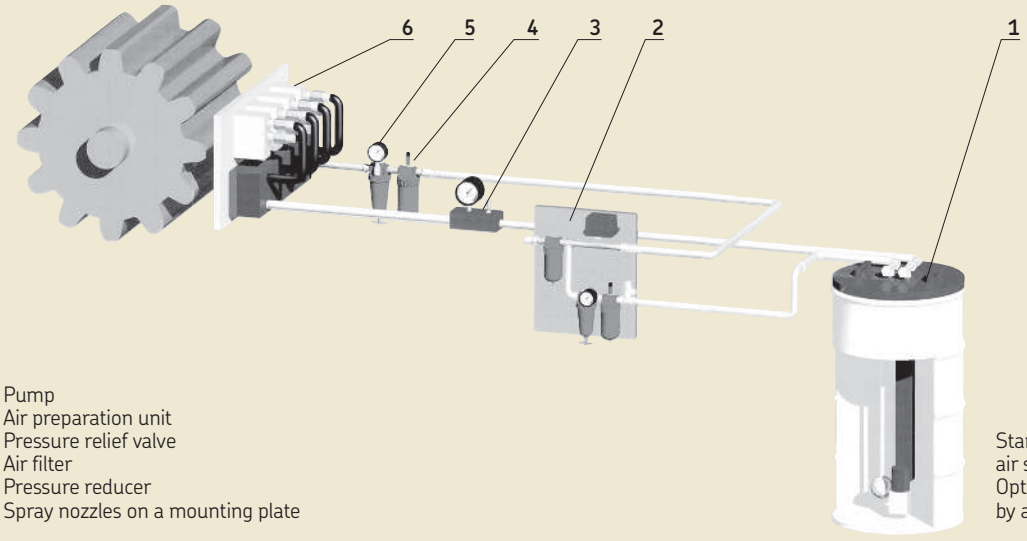
Jacking systems have to work under extreme environmental conditions. They need to be lubricated in a proper way. SKF has developed lubrication systems that take on this challenge. SKF helps you to ensure that the system is reliable.

Advantages:

- Increased rig safety
- Sustained reliability for a long period
- Improved lifetime of the assets
- Lower maintenance and repair cost
- Highly qualified rig staff can fulfill other tasks
- Reduction of wear of drive pinion and tooth flanges
- Spray pattern adjustable to 150 mm
- Made for all weather and environmental conditions, thanks to stainless steel design

SKF can also offer lubrication systems for other applications like deck cranes, propeller bearings, propeller seals, winches, e-motors or alternators.

Schematic illustration of a lubrication system for jacking systems



1 Pump
2 Air preparation unit
3 Pressure relief valve
4 Air filter
5 Pressure reducer
6 Spray nozzles on a mounting plate

Standard: onboard pressurized air supply
Optional: pressurized air supplied by a compressor

PUB LS/P2 14043 EN · 1-0920-EN

SKF

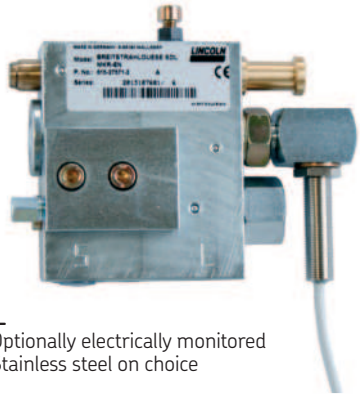
Components of the lubrication system

Nozzles

Uncontrolled nozzles

SD
- Stainless steel on choice

Controlled nozzles



SDL
- Optionally electrically monitored
- Stainless steel on choice

Pump types

PowerMaster
- Pneumatically operated

FF
- Electrically operated

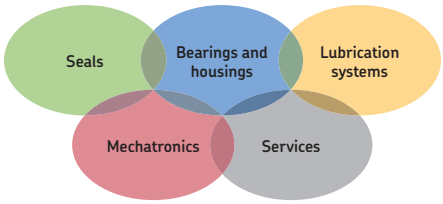
Lubricant metering devices

SSV SSVD metering devices and fittings

SSV-FL; SSVL

Air preparation unit

PUB LS/P2 14043 EN · 1-0920-EN



The Power of Knowledge Engineering
Combining products, people, and application-specific knowledge, SKF delivers innovative solutions to equipment manufacturers and production facilities in every major industry worldwide. Having expertise in multiple competence areas supports SKF Life Cycle Management, a proven approach to improving equipment reliability, optimizing operational and energy efficiency and reducing total cost of ownership.

These competence areas include bearings and units, seals, lubrication systems, mechatronics, and a wide range of services, from 3-D computer modelling to cloud-based condition monitoring and asset management services.

SKF's global footprint provides SKF customers with uniform quality standards and worldwide product availability. Our local presence provides direct access to the experience, knowledge and ingenuity of SKF people.

Important information on product usage
All products from SKF may be used only for their intended purpose as described in this brochure and in any instructions. If operating instructions are supplied with the products, they must be read and followed.

Not all lubricants are suitable for use in centralized lubrication systems. SKF does offer an inspection service to test customer supplied lubricant to determine if it can be used in a centralized system. SKF lubrication systems or their components are not approved for use with gases, liquefied gases, pressurized gases in solution and fluids with a vapor pressure exceeding normal atmospheric pressure (1 013 mbar) by more than 0,5 bar at their maximum permissible temperature.

Hazardous materials of any kind, especially the materials classified as hazardous by European Community Directive EC 67/548/EEC, Article 2, Par. 2, may only be used to fill SKF centralized lubrication systems and components and delivered and/or distributed with the same after consulting with and receiving written approval from SKF.

® SKF is a registered trademark of the SKF Group.

® Lincoln is a registered trademark of Lincoln Industrial Corp.

© SKF Group 2013
The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

PUB LS/P2 14043 EN · August 2013 · 1-0920-EN

Certain image(s) used under license from Shutterstock.com

LINCOLN

SKF