

# Klübersustain SA 42-41 OS

Eco-compatible operating thread compound and lubricating grease

## Your benefits at a glance

- **Considerable cost savings through:**
  - Reduced down time resulting from reduction or elimination of galling and seizing of pipe threads
  - Longer operating intervals and longer component life due to product's wide operating temperature range and excellent performance under extreme pressure applications
- **Developed for offshore and ecologically sensitive environments**
  - Extended component life through excellent corrosion protection
  - Easy application in wet environments and adherence to wet surfaces
  - Meets requirements for OSPAR conformance, including Norway Yellow 1 and Cefas E (registration no. 26586)

## Your requirements - our solution

Are you an offshore rig operator or equipment manufacturer of tubing or casing for offshore drilling operations? In that case, you are likely to be interested in obtaining an ecofriendly, high-performance lubricant. Klübersustain SA 42-41 OS is a thread compound designed to provide superior make up and break out performance by minimizing or eliminating galling and seizing. It combines very good eco-friendliness with high load-carrying capacity, good anti-wear and anti-corrosive effect and excellent adhesion to surfaces.

## Application

Klübersustain SA 42-41 OS was developed for the lubrication of connections of tool joints, tubing- and casing-strings on offshore drilling rigs and could also be used as corrosion protection of these components for storage.

It could also be applied for manual lubrication of legs of jack up rigs as well as highly loaded, slow moving components where ecological compatibility and corrosion protection is required.

## Application notes

Klübersustain SA 42-41 OS can be applied by brush to ensure even distribution. The required lubricant quantity depends on the operating conditions in each individual case. Our sales engineers will be pleased to assist you in determining lubricating quantities. When using large central lubricant or spray systems, please consider using Klübersustain OM 42-40 OS instead.

## Material safety data sheets

Material safety data sheets can be requested via our website [www.klueber.com](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

Product data	Klübersustain SA 42-41 OS
Article number	009051
Chemical composition	Silikat
Chemical composition, thickener	lithium soap
Chemical composition, type of oil	Ester
Lower service temperature	-30 °C / -22 °F
Upper service temperature	120 °C / 248 °F
Colour space	beige
Density at 20 °C	approx. 1.30 g/cm <sup>3</sup>

# Klübersustain SA 42-41 OS

Eco-compatible operating thread compound and lubricating grease

Product data	Klübersustain SA 42-41 OS
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	360 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	390 x 0.1 mm
Flow pressure of lubricating greases, DIN 51805, test temperature: -30 °C	<= 1 400 mbar
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Drop point, DIN ISO 2176, IP 396	>= 200 °C
Four-ball tester, welding load, DIN 51350 pt. 04	approx. 5 000 N
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	12 months

## Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 80 years.

**Klüber Lubrication München SE & Co. KG /  
Geisenhausenerstraße 7 / 81379 München / Germany /  
phone +49 89 7876-0 / fax +49 89 7876-333.**

The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

Publisher and Copyright: Klüber Lubrication München SE & Co. KG. Reprints, total or in part, are permitted only prior consultation with Klüber Lubrication München SE & Co. KG and if source is indicated and voucher copy is forwarded.