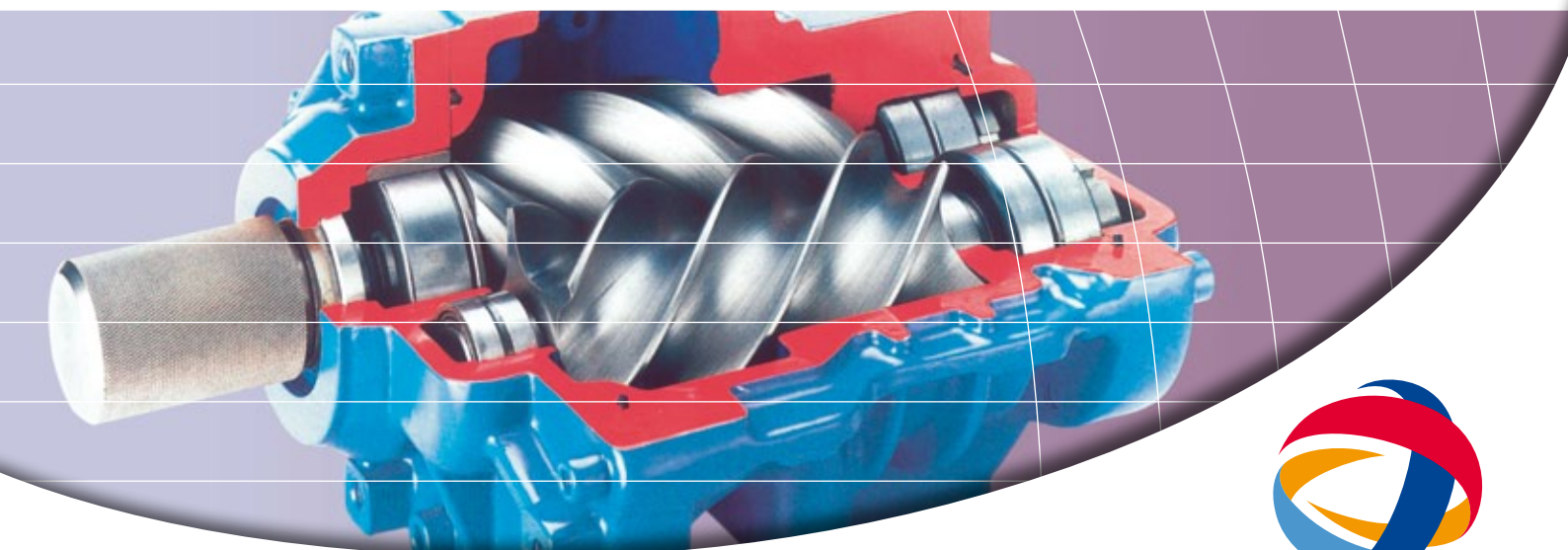


DACNIS rotary screw compressor oils

High performance and protection under pressure



TOTAL



TOTAL

DACNIS air compressor oils: **High Performance and Reliability**

Today's rotary screw air compressors are designed to be highly energy efficient and compact. This new design technology creates elevated operating temperatures in the heart of your machine. This condition makes lubricant quality paramount in order to achieve optimum performance at all times.

DACNIS oils are formulated for rotary screw air compressors operating under every condition and meet the strictest specifications of major equipment manufacturers.

■ **DACNIS oils performances at a glance:**

- Outstanding anti-wear and anti-corrosion protection
- Resistant to oxidation and thermal degradation
- Superior non-foaming and air release properties ensures a stable oil film
- Excellent oil/air and oil/condensate separation extends the service life of the filters
- Excellent oil/water separation maintains an efficient functioning under wet conditions
- Good heat transfer properties for the cooling of the system

■ **Your benefits**

- **Optimal performance** of your air compressor
- **Excellent protection** of your equipment
- **Extension of drain intervals**
- **Improved life cycle** of filters and separators
- **Significant savings** on maintenance costs
- **Peace of mind!**

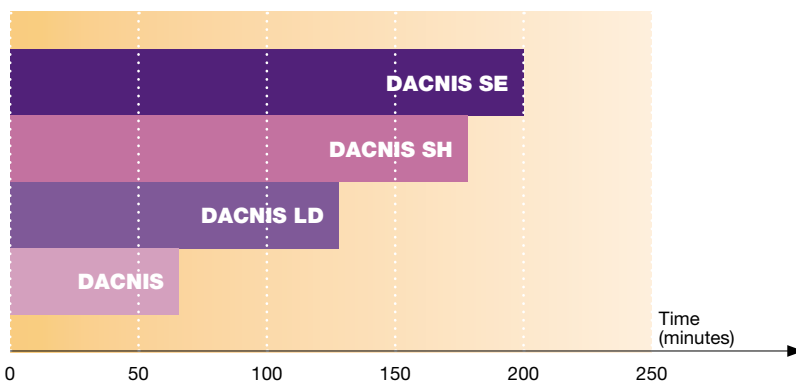
A FULL RANGE OF LUBRICANTS DEDICATED TO ROTARY SC FOR ALL OPERATING CONDITIONS

	Nature	Operating conditions	Oil drain interval
DACNIS ISO VG 32 - 46 - 68	High quality mineral oil	<ul style="list-style-type: none"> Moderate conditions Discharge temperature up to 80°C 	Recommended at 2 000 hours*
DACNIS LD ISO VG 32 - 46 - 68	Hydrocracked mineral oil	<ul style="list-style-type: none"> Severe conditions Discharge temperature up to 100°C 	Recommended at 4 000 hours*
DACNIS SH ISO VG 32 - 46 - 68	PAO synthetic oil	<ul style="list-style-type: none"> Very severe conditions Discharge temperature up to 120°C 	Recommended at 8 000 hours*
DACNIS SE ISO VG 46 - 68	Di-ester synthetic oil	<ul style="list-style-type: none"> Most severe conditions Discharge temperature up to 140°C 	Oil drain intervals up to 10 000 hours*

PERFORMANCES OF DACNIS OILS

RESISTANCE TO OXIDATION TEST

Method: RPVOT - ASTM D 2272



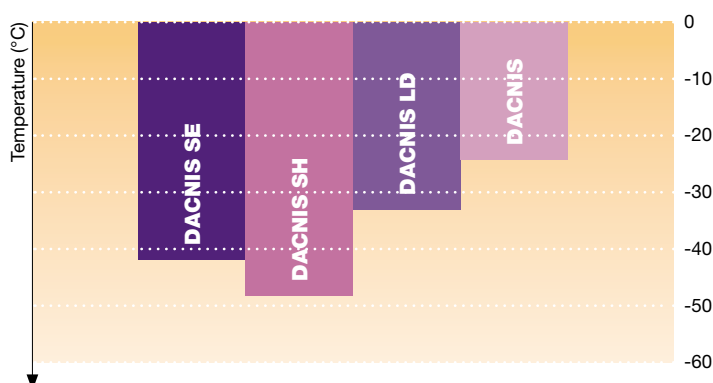
Your benefits

- Longer oil drain intervals
- Savings on maintenance costs

DACNIS oils resist to degradation by oxidation due to air exposure and or high temperatures. Their specific base oil and anti-oxidant additive chemistry helps avoid the formation of sludge and varnish, enhancing the life of the lubricant and key components.

POUR POINT TEST - ISO VG 46

Method: ISO 3016



Your benefits

- Easy start-up at very low temperature
- Outstanding protection of bearings

Pour point depressants enhance the cold flow properties of the oil which is essential for intermittent outdoor operation.

NEW AIR COMPRESSORS



Additional specific advantages

- Avoid the formation of deposits
 - Protects parts against wear and corrosion
-
- Allows compressor start-up at low temperature (-25°C)
-
- High thermal stability
 - Allow compressor start-up at low temperature (-40°C)
-
- Very high resistance to oxidation
 - Avoid the formation of deposits even at high temperature
 - Allow compressor start-up at low temperature (-35°C)

Specifications

- ISO 6743-3 : DAG
-
- ISO 6743-3 : DAH
-
- ISO 6743-3 : DAJ
-
- ISO 6743-3 : DAJ

* Possible drain interval for air compressors in standard use.

COMPARED PERFORMANCES

Your benefits

	DACNIS SH	DACNIS SE	DACNIS LD	DACNIS
Long oil drain intervals	★★★	★★★	★★	★
Protection of parts against corrosion	★★★	★★★	★★★	★★★
Resistance to deposit formation	★★★	★★★	★★	★
Efficiency under wet conditions	★★★	★★	★★★	★★★
Easy start-up at low temperature	★★★	★★★	★★	★
Savings on maintenance costs	★★★	★★★	★★	★

OUR ADDITIONAL OFFER

For **piston-type air compressors**, we offer a dedicated range of lubricants, adapted to all operating conditions:

- Mineral oils: **DACNIS 100, DACNIS 150**
- Synthetic PAO oil: **DACNIS SH 100**
- Synthetic ester oil: **DACNIS SE 100**

To guarantee complete operational safety, all of our lubricants designed for piston-type air compressors meet the most stringent requirements of the DIN 51506:VD-L specification.

ANAC INDUS oil analyses

Optimize operating costs
of your equipment

Oil is the lifeblood of your machines and the pointer to their health. The precision of the ANAC INDUS analyses made in our laboratories, provides tangible benefits as regards productivity and maintenance costs savings.

The advantages of ANAC INDUS

- **Monitoring** of the machine's mechanical state and of the lubricant's residual qualities, **without dismantling or stoppage**.
- **Detection of abnormalities** in order to predict maintenance operations and avoid unexpected shutdowns as well as costly repairs.
- **Extension of the lubricant's service life** in order to optimize oil drains intervals.

Our specialists will support you to implement a successful oil analysis program, according to your equipment and operating conditions.



4 good reasons to choose TOTAL

A major company

Total Lubrificants is a subsidiary of TOTAL. The Group is the world's fifth largest integrated energy company* and employs more than 96,000 people on five continents. Total Lubrificants produces and sells its products under the TOTAL brand in more than 160 countries.

Safe and eco-friendly products

Total Lubrificants renews its ISO 9001 certification every three years, as a guarantee of its longterm commitment. Elements aimed to reduce the risk of toxicity, the VOC emissions, and to encourage recycling and elimination from the environment, are incorporated into the design of every new product.

Material safety data sheets available at www.quickfds.com

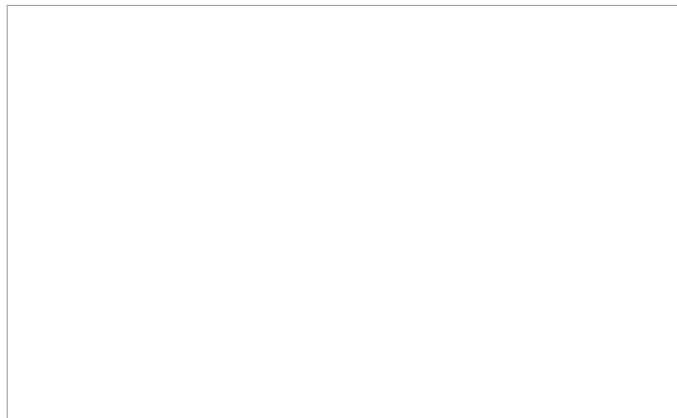
Innovation

Thanks to a major investment in R&D and close cooperation with equipment manufacturers, Total Lubrificants creates high-technology products with substantial added value, for optimal performance and protection of your machinery.

Partnership

The wide range of TOTAL products means that you can find the maintenance lubricants or specialized products to meet your every need. By choosing TOTAL, you can be fully confident that our team will work with you to enhance your productivity and reduce your maintenance costs.

** Based on market capitalization in dollars at 31 December 2009.*



www.lubricants.total.com



You know where to turn **TOTAL**