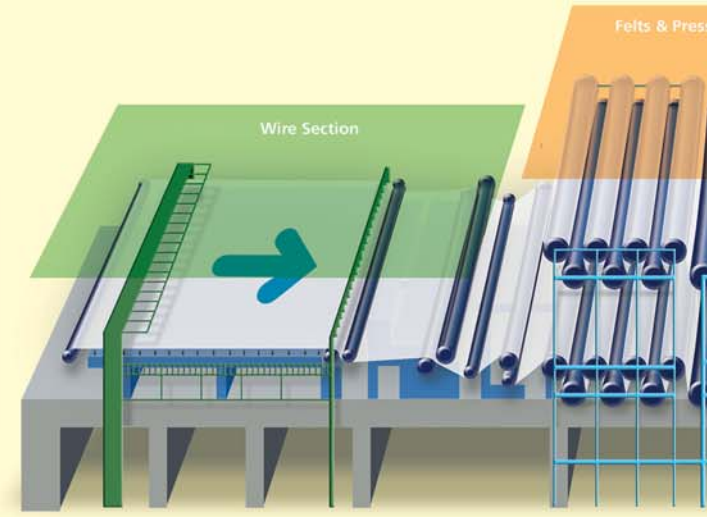
Paper Mill Lubricants

High quality products for the paper mill industry

Q8 Oils

Reliability & Produc

Most paper mills contain over 1,500 different bearings, each one exposed to extreme conditions of water, heat, steam and paper dust. Modern machines operate at higher speeds and temperatures than ever before, whilst older machines can have very different operating requirements. Because of this we have designed and tested our lubricants to give you the highest levels of protection and productivity to ensure operating reliability 24/7, whilst recognising that every machine is unique.



Paper Machine Circulation Oils

Q8 Vermeer WD ISO VG 150, 220	A high performance circulating oil for the lubrication of industrial paper machines at the wet and dry end. It is formulated to give high levels of wear protection, demulsibility, filterability, rust & oxidation protection, thermal stability and heat dissipation. Q8 Vermeer also has excellent air release properties to counteract the bubbles generated by turbulence of greater oil flow through the bearings. This increases the efficiency of the lubrication and the lifetime of the oil and bearings.
Meets the requirements of SKF; FAG; Metso; Voith.	
Q8 Vermeer WDS ISO VG 150, 220	A synthetic version of Q8 Vermeer WD for extreme performance applications e.g. very high temperatures for long periods.
Meets the requirements of SKF; FAG; Metso; Voith.	
Q8 Vermeer WDA ISO VG 150, 220	An ash less version of Q8 Vermeer WD for applications requiring this characteristic.
Meets the requirements of SKF; FAG; Metso; Voith.	

Paper Machine Greases

Q8 Rubens HT NLGI 2. Wet & dry end.	A premium grade lithium complex grease manufactured with mineral and synthetic base oils, for heavily loaded plain and roller bearings operating under high temperature conditions at the wet and dry end. Suitable over a wide temperature range from -30 °C to +180 °C with peak temperatures up to 220 °C for short periods. It contains anti-oxidants, rust Inhibitors and Extreme Pressure and anti-wear additives, giving it long service life, excellent rust-protection water resistance and extremely good thermal stability.

Q8Oils has an extensive range of greases for various applications.
For more information please contact your Q8Oils product engineer.

Paper Machine Anti-Sticking Oils

Q8 Da Vinci PMS	A water-polymer based anti-sticking fluid designed for spraying onto the cylinders. It helps reduce maintenance of the drying cylinders and lowers the chance of paper breakage. The product is both colourless and odourless.
Q8 Da Vinci PMB	A high performance, cost-effective anti-sticking agent which is very light in colour and biodegradable (OECD 301B biodegradability). This product significantly reduces the impact of any water/anti-sticking agent that is released into the environment.

Q8Oils also has a standard range of anti-sticking oils in more then 12 different viscosities.
Please ask your Q8Oils product engineer for more information.

tivity - 24/7

1 Forming Section

With the pulp containing 99 percent water, protecting the bearings against corrosion is a high priority in the forming section as they are exposed to large amounts of water. It is crucial that lubricants are formulated with excellent rust-inhibiting and water separating characteristics.

2 Press Section

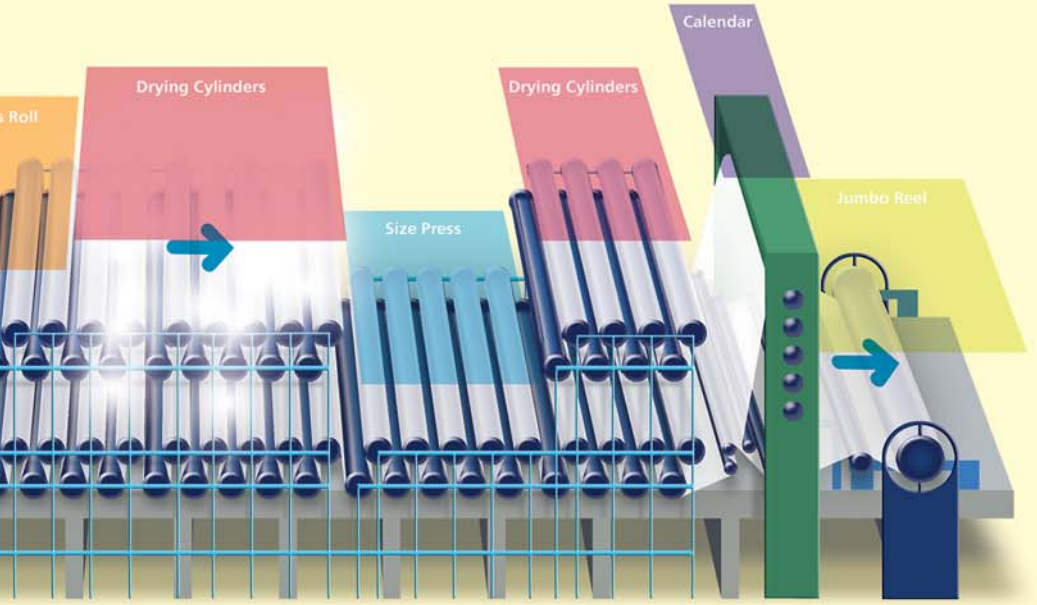
In the press and forming sections water is a problem, but heated rolls, high-temperature pressing and high speeds compound lubrication problems. The frictional heat in the larger bearings can be high enough to require large quantities of circulating oil to dissipate the heat. It is vital that lubricants are manufactured with base oils and additives that have excellent heat dispersion characteristics.

3 Dryer Section

As the paper enters the dryer section and the water content is reduced, the bearings are exposed to high temperatures over long periods. The operating conditions for these bearings is quite severe and paper machine lubricants should be formulated to give them excellent thermal stability.

4 Reeler

The principal bearings in a reeler operate in a relatively good environment but must still be protected from paper dust. Grease is often used but circulating oil has become more common, often from the same system used for the drying-cylinder bearings.



Gear Oils for Paper Machines

Q8 Goya ISO VG 68, 100, 150, 220, 320, 460, 680	A high quality industrial gear oil designed to have a long service life due to its outstanding oxidation and thermal stability. It has been formulated with advanced anti-wear EP additives to ensure it is suitable for all geared drives e.g. straight, angled and worm, which are subjected to light, heavy or shock loads. Q8 Goya has excellent rust protection characteristics, even if exposed to salt water.

ISO 12925-1, category CKC-CKD; DIN 51517 type, category CLP; ANSI/AGMA 9005-D94.

Q8 Goya NT ISO VG 150, 220, 320, 460	A higher performance version of Q8 Goya formulated to protect under extreme loads whilst guaranteeing high-levels of wear protection. It is especially effective for applications where high levels of friction are a problem and energy consumption needs to be reduced.

DIN 51517 part 3, category CLP, ISO 12925-1, type CKC-CKD; AGMA 9005-D94.

Q8 Goya 1000 ISO VG 1000	Based on Q8 Goya but with a very high viscosity rating for the calendar section of the machine.

ISO 12925-1, type CKC-CKD; ANSI/AGMA 9005-D94 8A-EP.

Hydraulic Oils for Paper Machines

Q8 Haydn ISO 10, 15, 22, 32, 46, 68, 100, 150	A universal hydraulic oil particularly sutibale for paper machines. It has been deliberately formulated with base oils that have good natural resistance to oxidisation and very light in colour. It has high anti-wear performance and good thermal stability which gives it a long service life. Trouble-free operation of the paper machine is guaranteed due to the unique combination of outstanding demulsibility, foam resistance, air release, hydrolytic stability and filterability.

ISO 11158, category HM; DIN 51524 part 2, category HLP; Denison HF-0.

Q8 Holst ISO 32, 46, 68	An ash-less zinc-free hydraulic oil which is suitable for use in hydraulic systems with servo controllers where high demands are placed on the filtering and water-separation properties of the oil.

ISO 11158, category HM; DIN 51524, Part 2, category HLP; A/8.3/90 >12.

Q8Oils produces over 650 different types of lubricants and greases, including turbine, gas engine and wind turbine oils for power generation systems. Please ask your Q8Oils product engineer if you require products for other applications.

World class reliability & productivity needs world class lubricants and application knowledge.

''Q8Oils worked with us to develop a special minimum application, zero staining anti-sticking fluid that has dramatically reduced our number of web problems''.
Ahlstrom, Fibre Composites Division, Belgium.

''Q8Oils and their local reseller have been involved in supporting us from the very start of the construction of our new mill''.
HANS KOLB Papierfabrik GmbH & Co. KG Kaufbeuren, Germany.

Base Oil

To ensure we have the right products for the paper industry we use our own high quality base oils. Using combinations of both mineral and synthetic stocks, we ensure our products have both superior thermal and chemical stability as well as energy conserving characteristics.

Additives

Additives are selected to ensure our lubricants are compatible with the machine metallurgy as well as the many coatings and seals found in the modern machine.

Bespoke Formulations

When required, our extensive research & development facilities and field engineers can help you with specific formulations to meet your unique requirements.

Product Quality & Specification Standards

All our products meet the many tests and standards that are published in the market today including ISO, DIN and OEM standards, whilst our blending plant accreditations include ISO 9001 and ISO 14001.

Inspection Tests

All our base oils, additives and finished lubricants are rigourusly quality controlled, with production samples held in archive for at least 2 years.

Service and Support

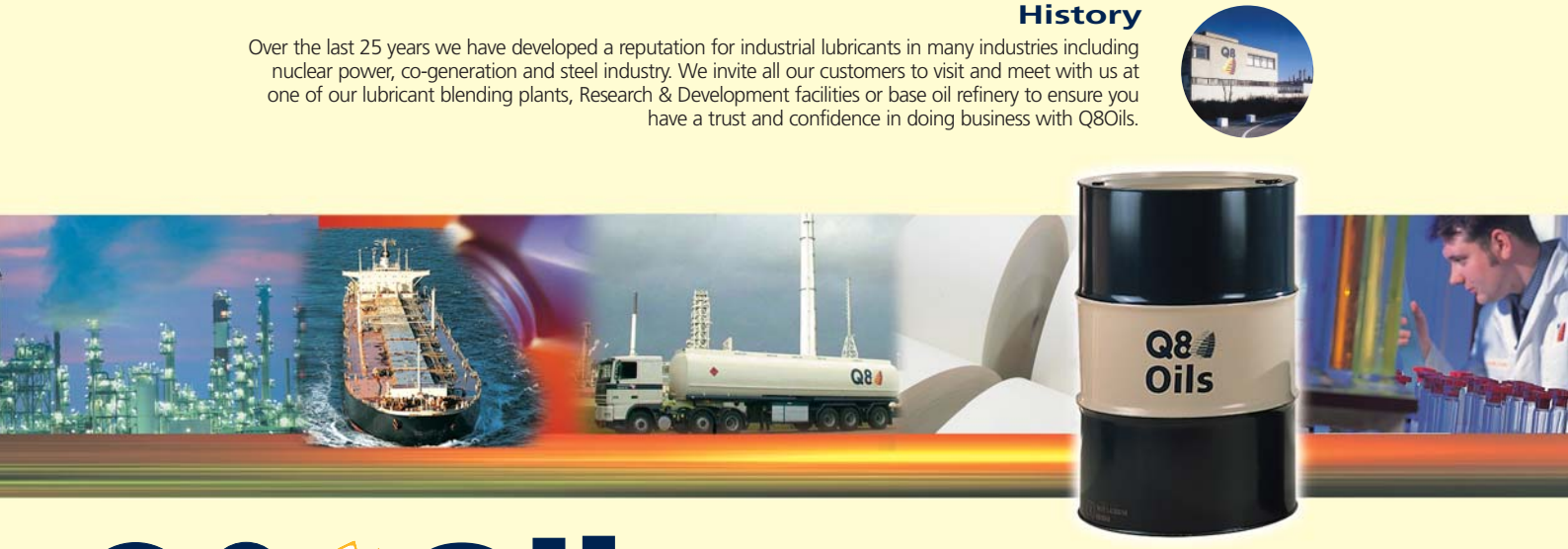
We recognise that **every** machine is different. As well as our commercial staff, we have a team of experienced field engineers who understand our products and your industry. They are available to visit you on site to give advice and solutions, or you can contact someone via our telephone technical support line.

Lubricant Analysis

Our lubricant sample analysis service is available to all customers to help you understand what is happening in the heart of your machine.

History

Over the last 25 years we have developed a reputation for industrial lubricants in many industries including nuclear power, co-generation and steel industry. We invite all our customers to visit and meet with us at one of our lubricant blending plants, Research & Development facilities or base oil refinery to ensure you have a trust and confidence in doing business with Q8Oils.



Q8Oils

www.Q8Oils.com

Q8Oils would like to thank m-real for the photographs used in this brochure.

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