

# Shell Air Tool S2 A



- Reliable protection
- Mist lubrication applications



**DESIGNED TO MEET CHALLENGES**

Every part of your machine or process has been meticulously engineered, so you want to use a lubricant that has been designed to ensure that your equipment is well protected and works efficiently.

Shell Air Tool S2 A pneumatic-tool and rock-drill oil has been developed to enable equipment operators to select an oil that will deliver optimum value to their operations through

- **wear protection**
- **long oil life**
- **system efficiency.**



## SHELL'S PNEUMATIC-TOOL AND ROCK-DRILL OIL

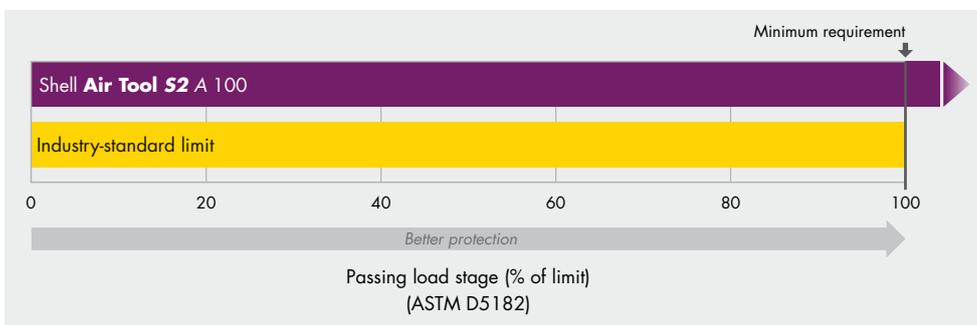
Shell Air Tool S2 A oil is designed for pneumatic tools and rock drills operating under arduous conditions. It is an improved formulation (compared with the previous Shell Torcula product) that maintains high oil-film strength for effective extreme-pressure protection of pneumatic-drill impact mechanisms and provides excellent mist lubrication for general-purpose air tools.

You can rely on Shell Air Tool S2 A to keep your equipment working. It protects against wear and corrosion, even with low-level water ingress; it resists thermal and chemical breakdown for longer oil life; and it has good low-temperature fluidity for greater system efficiency. Shell Air Tool S2 A can also help to improve working conditions by reducing stray oil mist in the air.

## DESIGNED TO PROTECT

Protecting components from damage can help to increase service life and maximise your return on investment. Shell Air Tool S2 A can help to achieve this by

- **exceeding the minimum industry standards for very good extreme-pressure protection,**  
as it passes load stage 12 of the high-torque, low-speed FZG test



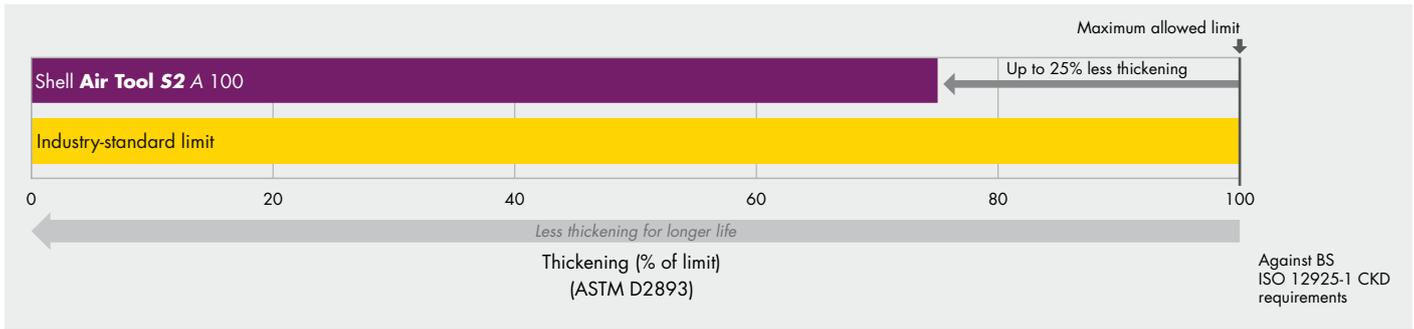
- **providing good corrosion protection,**  
as it passes synthetic-seawater bearing corrosion tests (ASTM D665) and achieves a rating of 1 in industry-standard copper-strip corrosion tests (ASTM D130; 3 hours at 100°C) in which a rating of 1 represents very little or no corrosion and a rating of 4 indicates a corrosive lubricant.

## DESIGNED FOR LONG OIL LIFE

Limiting fluid degradation can help to prolong oil life. Shell Air Tool S2 A is designed to help you operate your equipment for longer without interruption for reduced maintenance requirements and enhanced availability. In the industry-standard oil life test, Shell Air Tool S2 A achieved

- **up to 25% less thickening**

than the maximum allowed after 312 hours at 121°C to ensure efficient and consistent lubrication.



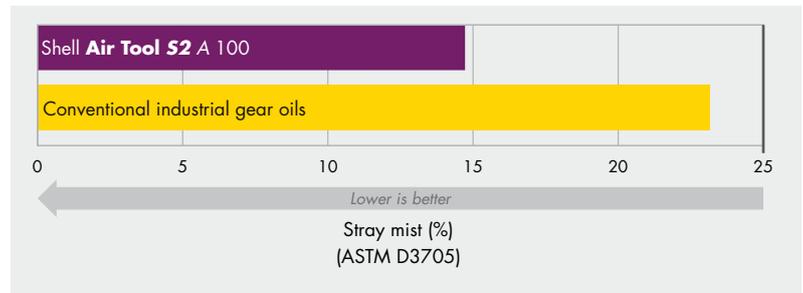
## DESIGNED FOR HIGH EFFICIENCY

Pneumatic-tool and rock-drill oils must work at low operating temperatures in challenging conditions. Shell Air Tool S2 A is designed to help maximise productivity by helping equipment to meet or exceed its design capabilities. Compared with the industry minimum requirements, it offers

- **good low-temperature flow**  
to help the oil reach all parts of the tool for consistent lubrication and resist build-up in areas cooled by rapid air expansion

- **an inherent emulsifying tendency,**  
which helps to prevent moisture from settling and thus helps to improve lubrication and prevent corrosion caused by the washing effect of the condensate

- **enhanced air quality,**  
as less stray mist is generated, so that the oil stays in the tool where it is needed and working conditions are improved.



## SPECIFICATIONS AND APPROVALS

Shell Air Tool S2 A meets the requirements of many manufacturers of pneumatic rock drills and tools. ISO viscosity grades available: 32, 100, 150 and 320.

### Meets requirements

ISO 6743-11 Types PAC and PBC

## APPLICATIONS



Percussive pneumatic tools – suitable for a wide range of mobile, percussive pneumatic tools such as those used in rock drilling, mining and construction activities (for example, jack hammers, sinkers and other air-operated tools)



Oil mist lubrication applications – suitable for applications requiring mist lubrication, such as manufacturing air tools



Other applications – may be used in certain gear and bearing lubrication systems subject to water ingress

## REAL-WORLD VALUE DELIVERY

Operators need to keep rock drills and percussive and pneumatic tools operating to maintain high productivity. Shell Air Tool S2 A is an improved formulation compared with the previous Shell Torcula product and can help customers to gain value through greater protection, oil life and system efficiency. It has already been evaluated by a leading manufacturer of pneumatic equipment and found to have excellent performance.

## FULL PRODUCT AND SERVICE PORTFOLIO

Whatever your needs or application, Shell can provide a full range of oils and greases, including synthetic, high-performance products and additional services.

For more information, please contact

[shell.com/lubricants](http://shell.com/lubricants)

