



SHELL HEAT TRANSFER OILS

HEAT TRANSFER OILS DESIGNED FOR RELIABILITY AND PROTECTION

DESIGNED TO MEET CHALLENGES

EVERY PART OF YOUR MACHINE OR PROCESS HAS BEEN METICULOUSLY ENGINEERED, SO YOU WANT TO BE SURE THAT YOU CHOOSE A LUBRICANT THAT HAS BEEN DESIGNED TO ENSURE THAT YOUR EQUIPMENT IS WELL PROTECTED AND WORKS EFFICIENTLY.

The Shell heat transfer oil range has been developed to enable system specifiers and end-users to select the oil for their system that will deliver optimum value through enhanced protection, long oil life and high system efficiency.

SYSTEM PROTECTION

Shell heat transfer oils are designed to have high levels of solvency. This reduces deposit formation by retaining oxidation products in solution and keeping the internal surfaces of heat exchangers clean.

OIL LIFE

The longer the oil life, the less fluid maintenance is required to help your equipment to operate for longer without interruption. Shell heat transfer oils are based on carefully selected highly refined mineral oils that resist oil cracking, oxidation and thickening. This extends oil life, provides efficient fluid heating and ensures good pump circulation providing the film temperatures on the heater surface do not exceed the advised maximum limits.

Shell Heat Transfer Oil S2-X contains an antioxidant for extra oil life.

SYSTEM EFFICIENCY

Low oil viscosity provides excellent fluidity for efficient heat transfer over a wide temperature range. Shell heat transfer oils also have a low vapour pressure to resist cracking. This minimises the formation of volatile decomposition products, which would require recovery using an expansion chamber and a condensate collector.



SHELL HEAT TRANSFER OILS AT A GLANCE

Shell Heat Transfer Oil **S2**

- Reliable performance
- Reliable oil life

Technology: Mineral oil

Kinematic viscosity at 40°C: 25 mm²/s

Flashpoint COC: 220°C

Advised maximum operating temperature limits:

Film, 340°C; bulk, 320°C

Specifications and approvals: Classified as ISO 6743-12 Family Q; typically meets DIN 51522 requirements

Shell Heat Transfer Oil **S2 X**

- Reliable performance
- Extra oil life

Technology: Mineral oil

Kinematic viscosity at 40°C: 64 mm²/s

Flashpoint COC: 260°C

Advised maximum operating temperature limits:

Film, 315°C; bulk, 290°C

Specifications and approvals: Classified as ISO 6743-12 Family Q; typically meets DIN 51522 requirements

FULL PRODUCT AND SERVICE PORTFOLIO

Shell Lubricants is the market leader in lubricants, and has a 60-year history of innovation. We are constantly investing to develop better lubrication solutions, as demonstrated by

- Shell Tellus S4 ME hydraulic oil – for up to a 13.9% increase in energy efficiency
- Shell Corena S4 R air compressor oil – for up to 12,000 hours of protection.

In addition, Shell provides the worldwide Shell LubeAnalyst oil condition monitoring service, which is designed to help you improve your business performance.

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

*Shell Lubricants™ refers to the various Shell companies engaged in the lubricants business.



For more information, please contact

Two empty rectangular boxes for contact information, one on the left and one on the right.

