



Shell Clavus SD 22-12

Semi-synthetic refrigerator compressor lubricant

Shell Clavus SD 22-12 is a special duty refrigerator compressor lubricant based on a blend of alkylated benzene and naphthenic mineral oil. At low evaporator temperatures, it has a very good miscibility with refrigerants which have only limited miscibility with conventional mineral oils.

Applications

- **Refrigerator compressors**

Shell Clavus SD 22-12 is recommended for the lubrication of open, semi-open and hermetic compressors in domestic, commercial and industrial refrigeration systems with halogenated hydrocarbons (CFC, HCFC).

- **Special duty systems**

Due to its superior miscibility it is particularly recommended for use in refrigeration systems operated with HCFC (R22, R502, R13B1) etc., preferably at low evaporation temperatures and in systems without oil separator.

Shell Clavus SD 22-12 has been used effectively in refrigeration systems operated with ternary blends based on R22 like R401A, R401B, R402A, R402B and R403A, R403B.

Performance Features and Advantages

- **Semi-synthetic formulation**

Shell Clavus SD 22-12 is a special duty refrigeration compressor oil composed of a synthetic base oil and naphthenic mineral oil without additives.

- **Excellent stability**

It provides excellent resistance against rapid ageing due to its very good thermal and chemical stability in contact with refrigerants.

- **Very good low temperature properties**

The special semi-synthetic blend of Clavus SD 22-12 provides very good low temperature fluidity and good lubricating properties

- **Very good miscibility**

Shell Clavus Oil SD 22-12 has very good miscibility with refrigerants which have only limited miscibility with conventional mineral oils.

Specification and Approvals

Shell Clavus SD 22-12 meets the requirements of DIN 51503 KC and KAA.

Compatibility

Shell Clavus SD 22-12 is fully miscible with naphthenic mineral oils.

Health and Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet which can be obtained from your Shell representative.

Protect the environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Advice

For technical advice phone your Shell Technical Adviser. For contact details see page ii in the front of this binder.

