

## TECHNICAL DATA SHEETS

### elin FRZ series (32, 46, 68)

#### Description

elin FRZ oils are compressor oils specially designed for use in applications associated with refrigerant processes. Special care is exercised in its formulation and selection of **mineral base oils (naphthenic base)** to ensure its satisfactory low temperature performance characteristics.

#### Main Performance Features

1. Low pour points
2. Very good oxidation resistance
3. Low critical solution temperature
4. High chemical stability (low carbon formation)
5. Low wear
6. Compatible with most refrigerants

#### Typical uses

elin FRZ oils are suitable for lubrication of cylinders, bearing and seals of all types of refrigerating compressors.

Lubrication of rotary screw compressors:

- parallel screw
- single screw with Zimmern type gear.

elin FRZ oils are compatible with most of **chlorofluorinated** refrigerant gases and with **ammonia** (for example R-12, R-22, R-502 etc).

#### Requirements – Specifications

elin FRZ oils meet the below requirements

– specifications:

- DIN 51503 KA / KC
- BS 2626 / 92
- ISO 6743/3 DRA

#### (\*) Typical Characteristics

| ISO GRADES                   | 32    | 46    | 68    |
|------------------------------|-------|-------|-------|
| Density at 15°C, Kg/l        | 0,893 | 0,895 | 0,900 |
| Kin. Viscosity at 40°C, cSt  | 30    | 43    | 68    |
| Kin. Viscosity at 100°C, cSt | 4,7   | 5,7   | 7,5   |
| Floc Point R12 , °C          | -56   | -53   | 50    |
| Flash point (C.O.C.), °C     | 165   | 171   | 175   |
| Pour Point, °C               | -40   | -35   | -34   |

(\*) (The above figures are typical of those obtained within normal production tolerances, and do not constitute a specification)

