

**Description**

*elin* TPD 312 & 412 oils are high-performance, medium-alkaline, diesel engine oils for medium and high-speed trunk piston diesel engines.

They are blended from high quality base oils and selected additives that protect the oil from oxidation and provide excellent detergency and dispersancy.

**Typical uses**

*elin* TPD 312 & 412 oils are recommended for all types of trunk piston engines, including the latest high-output, medium-speed engines using high sulphur gas oil or marine diesel oil with a **maximum sulphur level of 1.5%**.

**Main Performance Features**

1. Wear Protection
2. Detergent/Dispersant Properties
3. Oxidation Stability
4. Rust Prevention
5. Balanced Additive Combination

**( \* ) Typical Characteristics**

<i>elin</i> TPD	312	412
SAE	30	40
Density at 15°C , Kg/l	0,89	0,90
Kin. Viscosity at 100°C, cSt	12,0	14,0
Kin. Viscosity at 40 °C, cSt	94	135
Viscosity Index	100	100
Flash point (C.O.C.), °C	240	240
Pour Point, °C	-18	-18
Base Number, mg KOH/g	12	12
Sulphated ash, mass %	1,6	1,6

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

