

THERMIC EVO 310

Quenching oil

DESCRIPTION

THERMIC EVO 310 is a hot quenching oil with a high ignition point, used for quenching of low and medium alloyed steels with complex shapes.

RECOMMENDED APPLICATIONS

THERMIC EVO 310 is hot quenching oil is specially adapted for the following heat treatments:

Cementation-quenching

- Low alloyed steels: 16 CD 4: tripods 20 CD 4: ball pivots, steering racks, steering pinions
- Medium alloyed steels: 20 NCD 2: crown and pinion drives

Carbonitriding

- Low alloyed steels 20 CD 4: tulip shafts, driven gearbox shafts, gearbox pinions 30 CD 4: one-piece shafts, gearbox parts Continuous hot quenching
- Hard carbon steels XC 48, XC 65, XC 80: strips, sheets

ADVANTAGES

- Temperature of use: 60-180°C
- Minimum loss on parts thanks to its fluidity
- Reduce deformation and cracks risks
- Excellent resistance to oxidation
- Stable quenching power
- High flash point
- High cooling speed

THERMIC EVO 310 is suitable for parts heated in batch type ovens with a protective atmosphere for the quenching tank.

TECHNICAL INFORMATION

CHARACTERISTICS	METHOD	UNIT	THERMIC EVO 310
Color	Visual		Colorless
Density at 20°C	ISO 12.185		0.880
Viscosity at 40°C	ASTM D445	mm ² /s	127.0
Viscosity index	ASTM D2270		95.5
Flash point	ASTM D92	°C	276
Ignition point	ASTM D92	°C	308

The specifications are given for information purposes only and may need to change.

HEALTH & SAFETY

- Free of organo-chlorinated additives and formaldehyde releaser
- High Flash Point
- Good dermatological behaviour
- Storage in a frost-free and dry place