THERMIC 150

Heat Treatment

DESCRIPTION

Hot quenching oil with a high ignition point, used for scaled martensitic isotherm heat treatment and hot quenching of low and medium alloyed steels.

RECOMMANDED APPLICATIONS

THERMIC 150 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, solid gearbox parts

Continuous hot quenching

- Hard carbon steels

XC 48, XC 65, XC 80: strips, sheets,…

ADVANTAGES

- Reduces strain and crack risks
- Excellent thermal stability, **THERMIC 150** does not decompose under the effect of repeated quenching
- High quenching speed
- Uniform results due to a viscosity that does not vary
- High flash point, which reduces the risk of fire, even when it is used at 180°C
- Low consumption, due to its fluidity it reduces loss by drag-out
- **THERMIC 150** is approved by PEUGEOT CITROEN and can be recommended for all automotive subcontractors

THERMIC 150 is suitable for parts heated in batch type ovens with a protective atmosphere for the quenching tank.

TECHNICAL INFORMATIONS

CHARACTERISTICS	METHOD	UNIT	THERMIC 150
Color			Amber
Density at 20°C	ISO 12.185		0.884
Viscosity at 40°C	ASTM D445	mm²/s	127
Flash point	ASTM D92	°C	>245
Ignition point	ASTM D92	°C	>270
Storage			Frost-free, in dry place

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