

## THERMIC 150

Heat Treatment

### DESCRIPTION

**THERMIC 150** is a hot quenching oil with a high ignition point, used for scaled martensitic isotherm heat treatment and hot quenching of low and medium alloyed steels.

### 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, etc.

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

### 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.

**TECHNICAL INFORMATION**

NAME	UNITS	METHOD	THERMIC 150
Color	-	Visual	Amber
Density at 20°C (68°F)	-	ISO 12185	0.884
Viscosity at 40°C (104°F)	mm <sup>2</sup> /s	ASTM D445	127.0
Self-Ignition Point	°C	ASTM D92	270.0
Flash point	°C	ASTM D92	>245
Storage	-		in frost-free, dry place

These characteristics are given only for information and can be updated over time.

**SERVICES AND EQUIPMENT**

In addition to its product ranges, MotulTech can provide tools and services for the maintenance and monitoring of your lubricants. Please contact your technical sales representative for more information.