



MOTULTECH THERMIC 150

Heat Treatment - Hot quenching

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

TECHNICAL CHARACTERISTICS	UNITS	METHOD	THERMIC 150
Color	-	Visual	Yellow
Density	-	ASTM D4052	0.884
Viscosity at 40°C	°C	ASTM D445	126.9
Viscosity index	-	IP 220/85	96.0
Flash point	-	ASTM D92	274
Self-Ignition Point	°C	ASTM D92	306.0
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.

Important Notice

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