QUENCHING OIL Q22-A

Last Updated: 09.01.2025
Product Code: IQ0022A

QUENCHING OIL Q22-A is a fully accelerated cold quenching oil of low viscosity suitable for use at temperatures up to 100°C. It is based on specially selected solvent refined mineral oils to ensure consistent performance under arduous operating conditions. It is formulated to give exceptional thermal stability with maximum resistance to oxidation and sludging.

APPLICATION

Widely used for where an accelerated quench is required to improve hardness of the quenched steel. In particular it can provide the fast quench required to harden leaner alloy steels whilst minimising distortion. A carefully formulated additive package is incorporated into the product which reduces the vapour blanket stage, provides high maximum cooling rates and high quenching speed in the convection phase. Due to the advanced type of additives used it is particularly suitable for application requiring accelerated quenching characteristics with minimal component staining.

Designed for general purpose applications and is suitable for use in open quench tanks, sealed quench furnaces and continuous furnaces of the shaker hearth, cast link and mesh belt type.

BENEFITS

- Excellent thermal stability.
- Long life oxidation resistance.
- Arduous conditions and applications.
- Uniform quenching over wide temperature range.
- Maximum hardness and physical properties attainable in low hardenability and lean alloy steels.
- Minimises distortion of components.
- Good filterability.
- High viscosity index.

TYPICAL PROPERTIES

Appearance	Clear Pale Amber
Viscocity @ 40°C centistokes	23.5
Specific Gravity	0.85
Flash Point °C (PMCC)	200

QUENCHING OIL Q22-A should be stored in dry conditions and protected from extreme temperatures: between 4°C and 35°C is the recommended storage temperature.

HEALTH & SAFETY

Please refer to the Safety Data Sheet, freely available, for product handling and disposal advice. Please note that the SDS includes handling, storage, health and disposal information which should be passed on to anyone else who comes in contact with our product. Additional advice can also be obtained from your local representative.

NOTE: Read and understand all precautions on container labels before using this product.

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