

BAHRAIN LUBRICANTS QUENCHING OIL

(Premium Quality Quenching Fluids)

DESCRIPTION

BAHRAIN LUBRICANTS QUENCHING OIL are a series of premium quality oils designed specially for use as heat-treating fluids. It consists of two grades: one medium-viscosity, dual-purpose oil for both conventional quenching and marquenching; and one high-viscosity oil specifically for marquenching. Both grades are made with highly refined base oil fortified with special additives to meet the exacting requirements of heat-treating oils.

BAHRAIN LUBRICANTS QUENCHING OIL M is medium-viscosity, dual-purpose oil designed for both conventional quenching and marquenching. It has exceptional oxidation stability, and therefore does not require replacement as frequently as conventional oils. In addition, it will leave fewer residues on quenched parts.

BAHRAIN LUBRICANTS QUENCHING OIL H 100 is a high viscosity, long-life oil designed specially for marquenching. It has the high flash point required in high temperature protected-atmosphere systems and it has the excellent oxidation stability required in unprotected systems (exposed to atmosphere). It has unusually fast quenching speeds, parts quenched in it attain the same hardness as comparable parts quenched in conventional oils at lower temperatures. Thus, it is possible to take full advantage of the minimum distortion feature of marquenching without the loss of hardness often attendant in marquenching. It is easily removed from quenched parts with only a mild alkali wash. Also, because of its high flash point, it minimizes smoking and improves working conditions

PRODUCT FEATURES & BENEFITS

- High resistance to thermal and oxidation breakdown yields longer service life, less viscosity increase in service and fewer carbonaceous deposits that must be cleaned from quenched parts
- Exceptionally good oxidation stability, which means lower fuel costs, lower drag-out losses, and reduced clean-up costs for the user
- Non-corrosive to steel and residues easily removed from quenched parts with only a mild alkali wash
- The high flash point minimizes smoking and improves working conditions

APPLICATIONS

BAHRAIN LUBRICANTS QUENCHING OIL M is dual-purpose oil designed for both conventional quenching and marquenching. It can be used in open quenching systems where operating temperatures are as high as 93°C and in closed systems in which temperatures are as high as 150°C.

BAHRAIN LUBRICANTS QUENCHING OIL H 100 is designed specially for marquenching. It is recommended for protected-atmosphere systems where temperatures are as high as 190°C and unprotected systems (exposed to atmosphere) with quench bath temperatures up to 135°C.

TYPICAL TECHNICAL PROPERTIES

BAHRAIN LUBRICANTS QUENCHING OIL	M 32	M 46	M 68	H 100
Product code	12657AMVF	12657MVF	12657BMVF	12658MVF
Kinematic Viscosity at 40°C, mm ² /s, ASTM D445	32.5	48.4	68	125
Flash Point(COC), °C, ASTM D92	200	200	200	238

Note: These characteristics are typical of current production. While future production will conform to current specification, variations in these characteristics may occur.

ATL/PDS/MWF/0015/01*, 10.07.22, Page 1/1
*supersedes all previous versions

Health and Safety: Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contact office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing off used product, take care to protect the environment.