

## AUTOLUBE QUENCH OIL A

QUENCH OIL A IS A STANDARD SPEED QUENCHING OIL WHICH IS BASED ON A MINERAL OIL OF LOW VISCOSITY.

### **APPLICATION**

OPERATING TEMPERATURES VARY BETWEEN 25°C AND 85°C, ALTHOUGH IT IS RECOMMENDED THAT A CONSISTENT TEMPERATURE BE MAINTAINED TO ENSURE UNIFORM QUENCHING CHARACTERISTICS. IN CASES WHERE STANDARD SPEED, GENERAL-PURPOSE QUENCHING OIL IS REQUIRED WHEN QUENCHING ALLOYS THAT HAVE GOOD HARDENING ABILITY, GOOD RESULTS WITH MINIMUM DISTORTION IS ACHIEVED

### **BENEFITS**

- THE **LOW VISCOSITY** MINERAL OIL ENSURES GOOD QUENCHING CHARACTERISTICS FOR THOROUGH HARDNESS.
  - ECONOMICAL TO USE DUE TO LOW DRAG-OUT
  - QUENCH CONSISTENCY IS MAINTAINED BY EASE OF CIRCULATION AND THEREFORE RISK OF FIRE IS ALSO REDUCED.
- **MINIMIZED VOLATILITY:**
  - HIGH FLASH POINT REDUCES FIRE RISK AND ENSURES IMPROVED WORKING CONDITIONS BY REDUCING LOSSES DUE TO EVAPORATION AND FUMING.
- **GOOD OXIDATION STABILITY** REDUCES ACID BUILD-UP WHICH DECREASES THE POSSIBILITY OF STAINING.
  - ALSO INCREASES THE USEFUL LIFE OF OIL BY REDUCING SLUDGE BUILD-UP AND THICKENING OF OIL.

TYPICAL PHYSICAL CHARACTERISTICS	QUENCH OIL A
DENSITY @ 20°C KG/L	0.864
VISCOSITY cST @ 40°C	26.7
VISCOSITY cST @ 100°C	4.9
FLASH POINT °C	220
FIRE POINT	248
POUR POINT	-9
NEUTRALISATION No.	0.01

**PRECAUTION:** AVOID WATER ENTRY;  
ALLOW FOR THERMAL EXPANSION WHEN FILLING QUENCH TANK WITH FRESH COLD OIL.

**RE: 2001/11/01**