MARTOL EP 180

Metalworking

UTILISATIONS

- Superior extreme-prssure sulfochlorinated, compounded mineral oil designed for heavy duty machining on ferrous metals only.
- This oil is obtenaid from new, non regenerated, bases oils and extracted from solvents containing:
  - sulphurised additives which combine chlorinated paraffins to give a very high extreme-pressure level.
  - a fatty matter to improve lubricity.
  - a further blend of additives to extend product lifetime and enhance service behaviour.

ADVANTAGES

- **MARTOL EP 180** is ideally suited to heavy-duty machining of hard steels:
  - gear cutting,
  - tapping,
  - drilling.

It is also suitable for forming work such as:
  - cold rolling of tubes from hard steels and stainless steels,
  - deep drawing, etc.
- **MARTOL EP 180** is not suited to working on copper metals.

PROPERTIES

- Excellent extreme-pressure powers conferred by the association of sulphurised and **chlorinated additives**.
- Improved lubricity : the integrated fatty matter heightens the shear resistance of the oil film by depositing its molecules on the metal surface and by dudtaining a thin boundary layer of lubricant which prevents metal/metal contact (chip/cutting tool) and reduces wear.
- High thermal stability of components so that the product does not emit unpleasant vapours even when affected by very high temperatures in the work area.
- Resistance to oxidation and stable service.

TYPICAL CHARACTERISTICS	METHODS	UNITS	**MARTOL EP 180**
Density at 15°C	ISO 3675	kg/m^3	1055
Flash point OC	ISSO 2592	°C	228
Kinematic viscosity at 40°C	ISO 3104	mm^2/s	177

Above characteristics are mean values given as an information.