

Product Data

ZIE GDO NO 11, 15, 17 and 37 Premium Gun Drilling Oil

Applications:

Zie Gun Drilling Oils No 11, 15, 17 and 37 are heavy-duty oil blends recommended for deep hole drilling, boring, broaching, gun drilling, tapping, milling, threading and honing operations of cast iron, steel and high-speed steel alloys. These oils are also used in machine tool industries, vertical machining centers, conventional lathe machine, milling and radial drilling machine and in multi spindle drilling. These oils were specially formulated to meet the higher performance levels required by some machine manufacturers and end-users. The high loading conditions encountered in the working of ferrous metals required the use of highly effective additives which have been incorporated in this formulation. Each grade in it comprises low viscosity base oils and select additives for required oiliness, extreme pressure performance and quick chip removal. Their low viscosity and the consequent higher thermal conductivity help maintain the tool edge temperatures within limits, thus ensuring better job finish and longer service life of tools.

Advantages:

Zie Gun Drilling Oils 11, 15, 17 and 37 enable reduced friction and good anti-weld properties at the chip-tool interface, resulting in extended cutting tool life and good surface finishes on the machined parts. They enable excellent performance in the most difficult machining operations and also permit clear view of the work piece.

Typical characteristics:

Characteristics	Test Method	Zie GDO No			
		11	15	17	37
Appearance	Visual	Bright and clear	Bright and clear	Bright and clear	Bright and clear
Kinematic viscosity, cSt at 40 °C	ASTM D 445	11	15.27	17.5	37.41
Flash point (COC), °C, min.	ASTM D	160	160	170	180
Type	-	Sulphurised	Sulphurised	Sulphurised	Sulphurised
Chlorine	-	Yes	Yes	Yes	Yes

The above figures are typical figures with normal production tolerance.

Health & Safety

These oils are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.