

The invention relates to the field of mechanical treatment of metals by cutting, in particular, to the lubricating fluids and may be used during gear milling operations (gear-cutting) of alloyed steels. The lubricating fluid according to the invention has the following composition in weight percent:

Elementary sulfur	0,6 - 0,75
Polyisobutylene or caoutchouc	0,2 - 2,0
Ethylene-propylene synthetic sulfided adipose or sulfided vegetable oil	4,0 - 10,0
Calcium sulfonate	4,0 - 10,0
Antioxygenic additive	0,15 - 0,25
Antifoam additive	0,005 - 0,01
Petroleum oil	up to 100

The lubricating fluid has increased tribological behavior, provides for improvement of resistance of cutter and prolongation of the service life.