



# Mobilgrind™ Series

## Honing and grinding fluids for precision machining



### Benefit from Mobilgrind™ Series advanced technology.

Mobilgrind Series is a high-performance neat cutting oil — designed to help maximize machine tool availability and improve working conditions during precision grinding, honing and EDM operations. These advanced lubricants, based on high-quality base oils and additive systems, aim to improve machining economics and boost productivity. What's more, Mobilgrind Series fluids are chlorine-free, which can help make disposal easier and less costly.

### Outstanding surface finish during machining.

Designed to help reduce loading of the grinding wheels and help reduce abrasive consumption, Mobilgrind Series offers outstanding surface finish in a range of applications. This helps reduce regrinding costs and helps boost productivity. Mobilgrind Series fluids can be used in individual machine tools or in centralized systems.

### Low color and odor for better working conditions.

Mobilgrind Series fluids have a mild odor and low volatility to help improve working conditions in the machine shop. Some of these outstanding fluids use high-purity, specially refined base oils as their major component. Lower evaporation and misting, less drag out and a longer working life compared with previous-generation technology are some of the major benefits to machine shop managers.

#### At a Glance

- Helps provide outstanding surface finish in a range of applications
- Low mist and low odor enhances the workplace environment
- Chlorine-free for safe, easy disposal
- Helps minimize wheel loading for enhanced machine tool availability

Formulated for equipment in these industries:



Manufacturing & Assembly

## Potential high-performance benefits

### Balanced, highly effective additive pack

Designed to help maximize productivity rates, extend grinding wheel life and improve dimensional accuracy.

### Reduces grinding wheel loading

Can help increase machine tool availability and minimize abrasive costs.

### Suitable for multiple applications

Supports reduced inventory and prevents and helps prevent misapplication.

### Chlorine-free

Formulated without chlorine, helping to reduce disposal costs.

# Mobilgrind™ Series — Summary

## Product line

Product	Description	Viscosity cSt at 40 °C
<b>Mobilgrind™ 13</b>	Light-duty honing and super-finishing fluid for a wide variety of steels and other alloys. This product is clear, has low-odor and low-volatility properties to help improve the working environment. Mobilgrind 13 can also be used as an EDM fluid.	4
<b>Mobilgrind™ 14</b>	Light-duty fluid designed for cylindrical and surface grinding of carbon steels. Formulated with high-quality base oils to help reduce misting and maintain viscosity at the point of application, Mobilgrind 14 helps retain accuracy in precision-grinding applications. The light viscosity helps fines to settle out quickly from the oil in sedimentation tanks and assists filtration of the oil for reuse in circulation systems.	6
<b>Mobilgrind™ 24</b>	Medium-duty product for honing and grinding applications. Mobilgrind 24 is well suited for rough and finish honing of safety razor blades and for use in large-volume circulation systems where continuous filtration is employed.	6

## Mobilgrind application guide

Product	General machining					Gear/axle grinding					Thread/flute grinding					Honing					Viscosity cSt at 40 °C
	CI	S	AS	Cu	Al	CI	S	AS	Cu	Al	CI	S	AS	Cu	Al	CI	S	AS	Cu	Al	
<b>Mobilgrind™ 13</b>	✗	✗	✗	✗	✗	✗	—	✗	✗	✗	✗	✗	✗	✗	✗	—	✓	—	✓	—	4
<b>Mobilgrind™ 14</b>	—	—	✗	—	✗	✓	✓	—	—	—	✗	—	✗	✗	✗	—	—	—	—	—	6
<b>Mobilgrind™ 24</b>	—	—	—	✗	✗	✓	✓	—	—	—	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	6

✓ Recommended    — Possible    ✗ Not recommended

CI Cast iron    S Steel    AS Alloy steel    Cu Copper alloys    Al Aluminum alloys

For more information on Mobilgrind™ Series and other Mobil™ industrial lubricants and services, please contact your local company representative at 1-800-662-4525 or visit [mobilindustrial.com](http://mobilindustrial.com).