

# Shell GARIA® 699 CM-16

## Neat Cutting Oil

Shell GARIA® 699 CM-16 is a high performance neat cutting oil for many heavy-duty machining processes

### Performance Features and Benefits

Shell GARIA® 699 CM-16 is based on hydro treated mineral oils with a low aromatic content. Combinations of polar extreme pressure and antiwear additives provide the oil with high load carrying properties. In this way long tool life and excellent surfaces of the machined work pieces can be achieved. Shell GARIA® 699 CM-16 may stain yellow metals.

### Main Applications

Shell GARIA® 699 CM-16 is a high performance neat cutting oil, which can be used for high alloyed, rust and acid resistant and austenitic steels, as well as steels with a low carbon content which tend to stick and form built-up edges. Shell GARIA® 699 CM-16 can be used for many heavy duty machining processes, broaching, gear shaving and deep hole drilling operations.

Advice on applications not covered in this handbook may be obtained from your Shell representative.

### Typical Physical Characteristics

	Unit	Method	Shell GARIA® 699 CM-16
Appearance		Visual	Yellow
Kinematic viscosity @ 40°C	cSt	ASTM D 445	16
Density @ 20°C	kg/L	ASTM D 4052	0.970
Flash point COC	°C	ASTM D 92	160

*These characteristics are typical of current production. While future production will conform to Shell's specification, variations in these characteristics may occur.*

### Storage Requirements

The product should be stored inside (41-104°F) for no more than 2 years.

### Handling and Safety Information

For information on the safe handling, storage, or use of this product, refer to its Material Safety Data Sheet at <http://www.epc.shell.com/>. If you are a Shell Distributor, please call 1+800-332-6457 for all of your service needs. All other customers please call 1+800-237-8645 for all of your service needs.

### Protect the Environment

Do not discharge into drains, soil, or water.