Shell GARIA® Extra Oil 38
Versatile, compounded cutting oil with fatty oil

Shell GARIA® Extra Oil 38 is a compounded mineral oil containing high quality fatty oil. It was developed for use in a wide variety of machining operations, as a supplement to the fluid used where an exceptional surface finish was required. Shell GARIA® Extra Oil 38 is suitable for machining metals and alloys where active sulfur type fluids cannot be used. Shell GARIA® Extra Oil 38 is also suitable as a supplement to other cutting oils to increase surface finish. The high concentration of fatty oil in Shell GARIA® Extra Oil 38 makes it easy to increase the fat content in cutting fluids.

Performance Features and Benefits

- Excellent wetability and oiliness properties
- Improved surface finish on machined parts
- Non-staining to both ferrous and non-ferrous metals
- Ease of addition to other fluids

Main Applications

- Supplement to cutting fluid to improve surface finish
- Light to medium cutting and grinding
- Ferrous and non-ferrous metals
- Operations where surface finish is critical

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

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.

Typical Physical Properties

	Test Method	Shell GARIA® Extra Oil 38
Appearance		Pale to Amber
Odor		Mild
Gravity, °API	D 1298	25.2
Viscosity @ 40 °C, cSt	D 445	38.3
Flash Point, COC, °F	D 92	365
Pour Point, °F	D 97	20
Fatty Oil		Present

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