



SHELL FENELLA[®] OIL DS 1790

Oil free drawing lubricant

Product Description

Shell Fenella Oil DS 1790 is a low viscosity lubricant recommended for light duty stamping operations. It does not readily evaporate at operating temperatures, which reduces concerns regarding VOC emissions. Shell Fenella Oil DS 1790 provides high lubricity needed to protect tooling and help produce high quality parts. The low viscosity minimizes dragout during use and minimizes residue formation during operation. Shell Fenella Oil DS 1790 has been used successfully in copper tube bending and tube expanding applications. Shell Fenella Oil DS 1790 provides clean burn off in brazing atmospheres and is non-staining to copper. Shell Fenella Oil DS 1790 has been used successfully in Swiss type screw machining applications on non-ferrous materials.

Applications

- fin drawing
- copper tube bending and expanding
- stamping and forming of light gauge ferrous materials
- in-line tapping for progressive stamping operations

Features and Benefits

- high lubricity – for protection of tools and high quality parts production
- high flash point
- low viscosity – reduces dragout and resists residue formation

Typical Properties Shell Fenella Oil DS 1790

	Test Method	Shell Fenella Oil DS 1790
Product Code (drums)		5064175
Product Code (bulk)		5064240
Appearance		Hazy Yellow Liquid
Viscosity, SUS @ 100°F		45
Flash Point, COC, °F	D 92	335
Density, lbs/gallon		6.97

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at **<http://www.equivashellmsds.com>**. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please **call 1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.