

Shell FENELLA® CSS 200

Neat cold rolling oils

Shell FENELLA® CSS 200 is a neat lubricating oil for cold rolling mills.

Main Applications

Shell FENELLA® CSS 200 is designed for cold rolling mills producing ferrous and non-ferrous material such as high carbon alloy, copper and stainless steel.

Shell FENELLA® CSS 200 is a fully formulated lubricant blended from highly refined base oil and selected additives providing excellent properties such as:

- High stability to oxidation
- Anti-wear properties
- High film strength formation
- Anti-rust properties
- High resistance to the foam formation
- Excellent filterability, suitable for cartridge and media type filtration.

Shell FENELLA® CSS 200 is applied by circulation, lubricating the roll gap. The series is also suitable for lubrication of bearings in cluster type mills.

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

Storage Requirements

Store in clean and dry conditions away from combustible materials, heat and direct sunlight. Protect from frost.

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 Characteristics

	Method	Shell FENELLA® CSS 200
Appearance @ 20 °C		Clear
Specific gravity @ 20 °C	ASTM D 4052	0.859 kg/L
Viscosity @ 40 °C	ASTM D 445	7.7 cSt
Saponification Value	ASTM D 94	<2.0 mgKOH/g
Acid Value	ASTM D 662	<0.6 mgKOH/g
Flash Point	ASTM D 92	161°C
Phosphorous content XRF		0.08 m%
Cu Corrosion @ 100 °C	ASTM D 130	1a

These characteristics are typical of current production. While future production will conform to Shell specifications, variation in these characteristics may occur.