

Shell VOLUTA® C 201

Neat Quenching Oil

Shell VOLUTA® C 201 is a cold quenching oil for hardening steels with alloy content.

Performance Features and Benefits

- Low aromatic components
- Low viscosity

Main Applications

Shell VOLUTA® C 201 is a cold quenching oil, which can be used between 30°C to 80°C. Shell VOLUTA® C 201 is formulated with high quality base oils and additives selected with careful attention, in order to maintain performance for long periods. The quenching properties of Shell VOLUTA® C 201 remain constant so you can use it for hardening steels with an alloy content. Shell VOLUTA® C 201 flash point guarantees a high security level.

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

Storage Requirements

The product should be stored inside (5-40°C) no more than 2 years and be protected from freezing.

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.

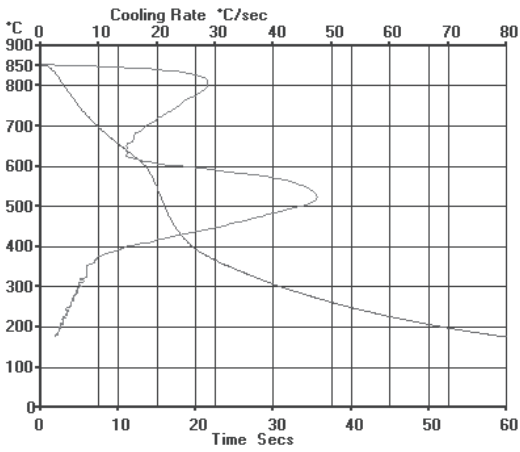
Protect the Environment

Do not discharge into drains, soil, or water.

Typical Physical Characteristics

	Method	Shell VOLUTA® C 201
Appearance		Clear Yellow
Density @ 15°C, kg/L	ASTM D 4052	0.902
Kinematic Viscosity @ 40°C, cSt @ 100°C, cSt	ASTM D 445	20.2 4.1
Flash Point COC, °C	ASTM D 92	210
Quenching parameters @ 40 °C Vr Maximum cooling rate (°C/s) qVr Temperature at maximum cooling rate (°C) Vr @ 300°C cooling rate at 300°C (°C/s) Time to reach 600°C Time to reach 400°C Time to reach 200°C	(ISO 9950) Inconel Probe	47.4 524.9 6.7 13.5 19.5 51.7

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



INCONEL PROBE
Oil temperature : 40°C