



SHELL MACRON[®] OIL 2425 S-14

High performance grinding oil

Product Description

Macron[®] Oil 2425 S-14 is a high performance grinding oil formulated specifically for flute grinding on high-speed steel, and is suitable for use with ceramic, diamond and boron nitride grinding wheels. **Shell Macron Oil 2425 S-14** can also be used for grinding of spiral bevel gears and flat or cylindrical grinding processes on a complete range of steels and some non-ferrous metals. **Shell Macron Oil 2425 S-14** is chlorine free and is formulated using a hydrotreated base oil in combination with chemically active phosphorus and special polar additives, which impart high load carrying properties. This helps to extend wheel life and provide excellent surface finish of the workpiece.

Shell Macron Oil 2425 S-14 is formulated to be light in color, which more readily permits observation of the grinding process.

Applications

- Flute grinding of high speed steels
- Gear grinding of cast iron, stainless and hard steels
- General grinding of flat and cylindrical surfaces of both ferrous and some non-ferrous materials

Features/Benefits

- chlorine free
- high flash and low viscosity
- light color for good workpiece visibility
- high load carrying properties
- low foaming
- mild odor

Approvals/Recommendations

Recommended for use in grinders made by the following manufacturers:

Kapp, Niles, Junker, Höfler, Liebherr, Reinecker, Klingelberg and Ex-Cell-O

Typical Properties Shell Macron[®] Oil 2425 S-14

	Test Method	MACRON 2425 S-14
Product Code		5055995/5055996
Package Type		55 gallon drum/Bulk
Appearance		Clear
Odor		Mild
Color	D 1500	L 1.0
Viscosity, cSt @ 40°C	D 445	13.53
Pour Point, °F	D 97	5
Flash Point, COC, °F	D 92	370
Foaming Tendency, Seq. I @ 75°F, mL/mL	ISO 6247	0/0
Four Ball Wear, scar diameter, mm 1 Hour/40 kg/75C/1200 rpm	NFE 48 617	0.35
Copper Corrosion	D 130	2C
Sulfur		Present
Phosphorus		Present
Chlorine		Not Present

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/>.