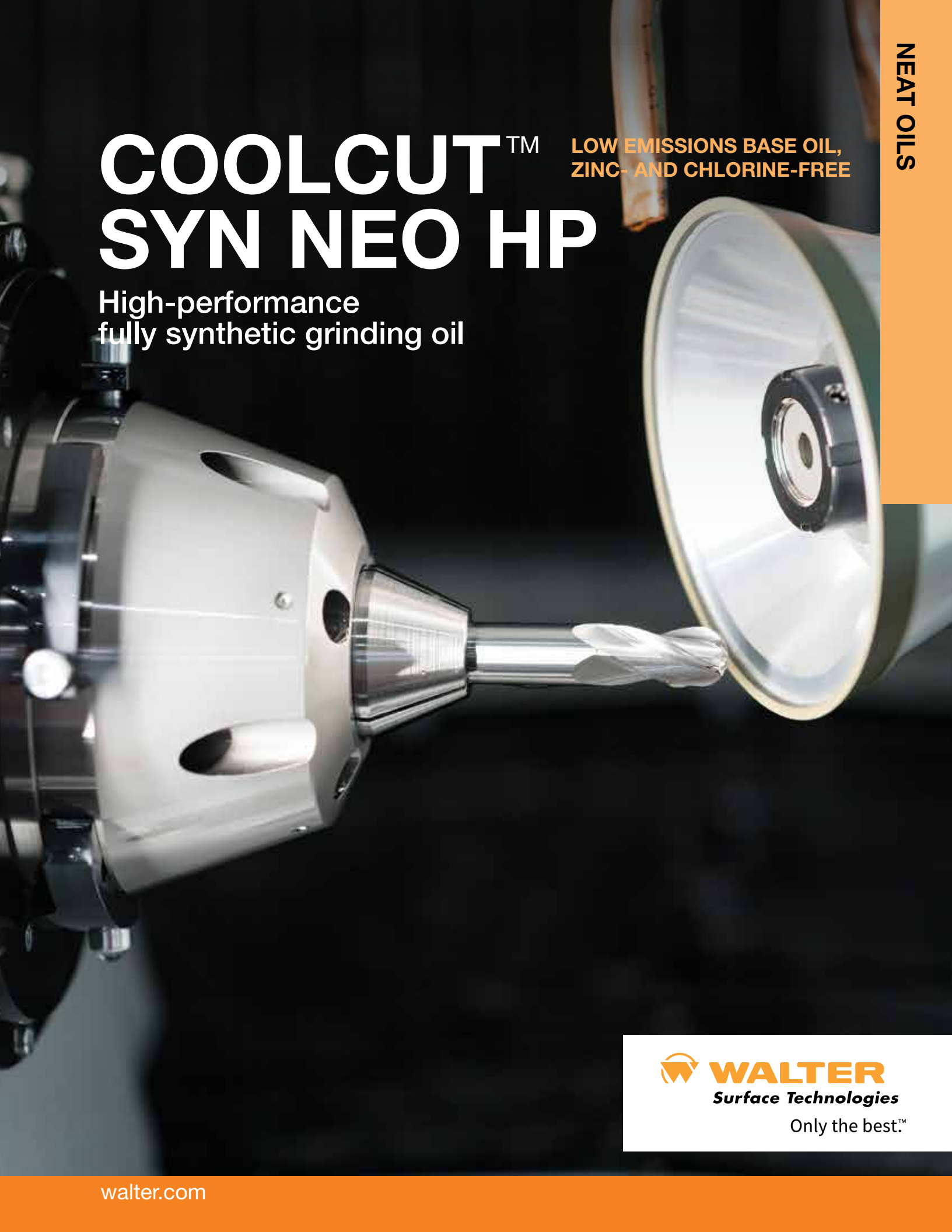


# COOLCUT™ SYN NEO HP

LOW EMISSIONS BASE OIL,  
ZINC- AND CHLORINE-FREE

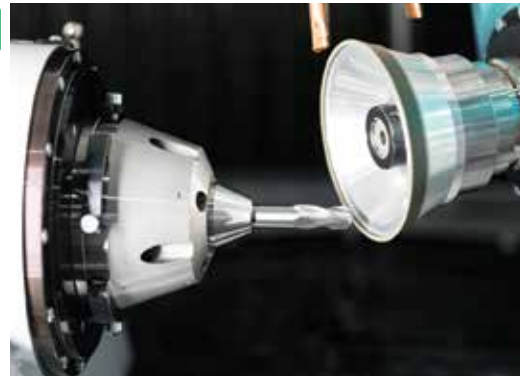
High-performance  
fully synthetic grinding oil



**WALTER**  
*Surface Technologies*

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# COOLCUT™ SYN NEO HP



## High-performance fully synthetic grinding oil

COOLCUT™ SYN NEO HP is a neat cutting oil designed for high-performance grinding. It includes synthetic hydrocarbons and special additives to improve grinding performance. This straight oil is suitable for high-performance grinding processes (e.g., carbide tool manufacturing).

### Features

- ▷ Based on polyalphaolefins (PAO)
- ▷ Effective wetting agents
- ▷ Zinc-free, chlorine-free

### Benefits

- ▷ Controlled lubrication for extended wheel service life and dressing intervals
- ▷ Optimal air separation for reliable cooling and maintaining the free wheel's porosity
- ▷ Ensure reliable processes for a wide variety of applications
- ▷ High grinding performance
- ▷ Clear and nearly colorless
- ▷ Minimal evaporation loss
- ▷ Low drag out

Processes									
Name	Turning	Milling	Drilling	Deep drilling	Threading tapping	Broaching	Surface and cylindrical grinding	Centerless grinding	Profile grinding
COOLCUT™ SYN NEO HP	●	●						●	●

● Preferred ● Qualified

Materials								
Name	Steels	Cast iron	Stainless steel	Aluminum	Yellow metals	Titanium	Carbide	Glass ceramics
COOLCUT™ SYN NEO HP	●		●		●	●	●	

### Technical Data

Density = 0,81 g/cm<sup>3</sup>  
 Kinematic viscosity = 6 mm<sup>2</sup>/s (40°C)  
 Flash point = 160 °C  
 Pour point = < -40 °C

### Micro-Filterability

- ✓ Centrifuge
- ✓ Cross-flow filter
- ✓ Precoat filter
- ✓ Edge filter

### Grinding Performance

Level	LOW		HIGH		EXTREME
	Finishing	Medium metal removal rate	Gear grinding	HPG	
GP-Index	G01			G50	

### ORDERING INFORMATION

Name	Product Number	Size
COOLCUT™ SYN NEO HP	<b>58-B 507</b>	20 L
COOLCUT™ SYN NEO HP	<b>58-B 508</b>	200 L



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