



CUTTING OIL 305 (Medium Duty Cutting Oil)

The 300 series of cutting oils are medium to dark oils that are suitable for a wide variety of machining requirements. The 300 series of cutting oils contains no chlorine.

CUTTING OIL 305 contains special extreme pressure and lubricity additives to produce heavy-duty capability and effectively controls tool wear while providing superior surface finish.

CUTTING OIL 305 is staining towards yellow metal and is more effective in more severe machining applications with iron and steel alloys than **CUTTING OIL 304, 306** or **HS 3080**.

BENEFITS:

- MAXIMIZES TOOL LIFE
- EXCELLENT SURFACE FINISH
- CONTAINS NO CHLORINE

APPLICATIONS:

CUTTING OIL 305 is recommended for a wide variety of machining operations and alloys.

CUTTING OIL 305 contains active sulfur so it should not be used on yellow metals unless staining is acceptable.

CUTTING OIL 305 may be used for machining applications such as turning, boring, threading, tapping, milling, gear cutting of ferrous and non-ferrous metals and their alloys. It can also be used for medium duty machining of iron and steel alloys.



CUTTING OIL—305 Series (Medium Duty Cutting Oil)

TYPICAL CHARACTERISTICS

Grade	305
Product Code	N/A
API Gravity (ASTM D-1298)	22
Appearance	Medium
Color, ASTM D 1500	-
Viscosity (ASTM D-445):	
cSt @ 40°C	29
cSt @ 100°C	4.7
SUS @ 100°F	152
Pour Point (ASTM D-97) °F (°C)	-20 (-29)
Flash Point (ASTM D-92) °F (°C)	320 (160)
Total added Sulfur, %	2.1
Active Sulfur, %	2.1
Fat Content, %	5
Tapping torque Test (1020 HR Steel) % Efficiency	N/A
Antimist	No

The above data is subject to usual manufacturing variation. For more information and availability, call 1-800-442-LUBE.
10/05/2005