



Cola[®]Lube 3407

Metalworking Lubrication Additive

CHEMICAL NAME Phosphate Ester
LISTINGS US (TSCA); Canada (DSL); Australia (AICS); New Zealand (NZIoC); Japan (MITI); Philippines (PICCS); Korea (ECL); China (IECSC), Taiwan (NECI)

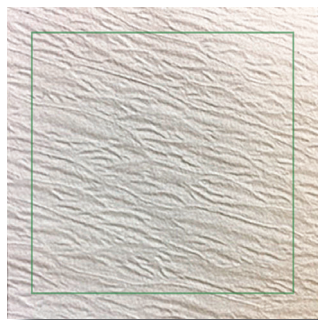
Cola[®]Lube 3407 is a long chain, aliphatic phosphate ester designed for a variety of metalworking fluid applications. It provides excellent extreme pressure and lubricity characteristics as well as emulsification and rust protection properties for both ferrous and nonferrous metallurgies. This product can be readily formulated into synthetic, semi-synthetic, and soluble oil formulations useful in cutting, grinding, rolling oils, and liquid drawing compounds. As supplied, Cola[®]Lube 3407 is soluble in paraffinic and naphthenic oil. It is soluble in water by pH adjustment or by the incorporation of water-soluble co-surfactants.

SPECIFICATIONS

Appearance @ 25°C	Light Yellow Liquid
Clarity	Clear
Color, Gardner '98	8 Max.
Acid Value (AV1)	82.0 – 92.0
Moisture, %	3.0 Max.

PERFORMANCE TESTING RESULTS

Cast Iron Chip Test <i>1% active solution in 100 hardness water</i>	Pass (test results below)
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Test performed using single VWR filter paper, 415 (28320-020)

PERFORMANCE TESTING RESULTS

Shake Foam Test

(1 g Test Material into 50 mL DI water)

Immediate	95 mm
1 min.	20 mm
3 min.	20 mm
5 min.	20 mm
10 min.	15 mm



Immediate 1 Minute 3 Minutes 5 Minutes 10 Minutes

STORAGE AND HANDLING

Cola[®]Lube 3407 should be stored in closed containers. Shelf life is 12 months from date of manufacture. Cola[®]Lube 3407 is shipped in poly 55-gal drums, net weight 460 lbs (208.6 kg) and in bulk. Safety Data Sheet is available at www.colonialchem.com.

Colonial Chemical

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Innovative Specialty Surfactants