



YOUR METALWORKING FLUID SOLUTIONS FOR SOLUTIONS

OAKFLO[®] DSS 807-AFC

SEMISYNTHETIC, METALWORKING FLUID CONCENTRATE

APPLICATIONS

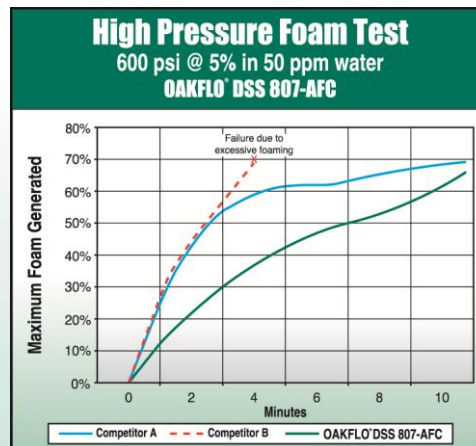
OAKFLO[®] DSS 807-AFC is a chlorine-free, semisynthetic recommended for high fluid pressure and high volume flow applications where minimization of foam is critical for part quality and machine operations.

Metals: Cast Iron, Nodular Iron, Carbon Steels, High Speed Steels, High Alloy Steels, Stainless Steels and most Aluminum and Non-ferrous Alloys.

Duty Range: For moderate to heavy-duty operations.

FEATURES & BENEFITS

OAK SIGNATURE[®] - AFC Fluids provide “Advanced Foam Control” through the combination of product design, raw material selection and innovative antifoam technology. These fluids are the result of years of experience that have identified creative methods to prevent, control and reduce foam, even when fluids are used in high pressure delivery systems including through the tool systems. This expertise is only available in **OAK SIGNATURE[®] - AFC Fluids**.



LUBRICITY – A combination of lubricants provide good machining properties. Keeps parts and tools cool.

SUPERIOR RANCIDITY CONTROL – Effective protection against bacteria and mold gives long fluid life.

EXCELLENT CORROSION CONTROL – Rust inhibitor package is extremely effective in preventing in-process rust on machines and parts.

VERSATILE – Suitable for a wide range of materials and operations. Can be used on aluminum alloys.

ENVIRONMENTALLY FRIENDLY – Compatible with most conventional waste treatment methods.

RECOMMENDED STARTING DILUTIONS	<p>FOR INDUSTRIAL USE ONLY Recommended Starting Dilution: 5% (1:20) Typical Operating Range: 5%- 10% (1:20 to 1:10) For concentrations outside this range contact CIMCOOL® Technical Service.</p> <p>OAKFLO® DSS 807-AFC is to be mixed with water for use (add concentrate to water).</p> <p>Add no other substances to the concentrate or mix unless approved by CIMCOOL® Technical Services. Not recommended for use with magnesium or alloyed magnesium.</p> <p>For concentration analysis, use: Total Alkalinity Titration Procedure, Non-Solvent Titration Procedure, CIMCHEK™ Test Strip, or Refractometer.</p>
TYPICAL PHYSICAL AND CHEMICAL PROPERTIES	<p>Physical state: Liquid Appearance and odor: Slight Haze / Chemical Colors available: Undyed Solubility in water: 100% Miscible Weight, lb/gal, 60°F (15.6°C): 8.4 Specific gravity, (H₂O = 1): 1.01 Boiling point, °F (°C): 212 (100.0) Flash point, COC, °F (°C): None, Self extinguishing Fire point, COC, °F (°C): None, Self extinguishing Freezing point (or pour point), °F, (°C): 28 (-2) If frozen, product separates. Thaw completely at room temperature and stir. pH, concentrate: 9.4 pH, 5.0% mix, typical operating conditions: 8.7 Total chlorine/chloride, wt%, calculated: 0.0/52 ppm Total sulfur, wt%, calculated: 0.14 Dicyclohexylamine: None Silicone: Yes</p>
PACKAGING	Available in 5-gallon pails, 55-gallon drums, and bulk containers.

REFRACTOMETER FACTOR: 1.4

Multiply the scale reading obtained on your OAK SIGNATURE® Refractometer by this factor to obtain the mix concentration in percent. Calibrate the refractometer so that it reads 0.0 with water before testing the sample mix. Remove gross contaminants from the sample mixes before testing. A refractometer is only recommended for use in checking the concentration on a fresh charge.

SAFETY DATA SHEET

Available at www.cimcool.com

For additional information refer to its OSHA MSDS, website or contact your local OAK SIGNATURE SPECIALIST OR DISTRICT MANAGER, or you may contact CIMCOOL® Technical Services at 1-513-458-8199

Limitation of Liability: Under no circumstances, shall we or any affiliate of ours have any liability whatsoever for loss of use, or for any indirect or consequential damages. Minor formulation changes or normal variations in the manufacture of this product may cause slight variances in the data presented on this sheet.

