



YOUR METALWORKING FLUID SOLUTIONS FOR SOLUTIONS

OAKFLO[®] DSY 901XP-AFC SYNTHETIC, METALWORKING FLUID CONCENTRATE

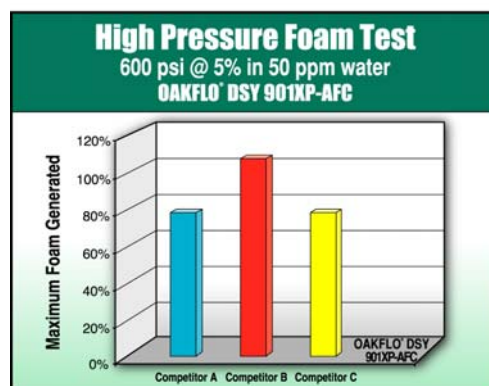
APPLICATIONS OAKFLO[®] DSY 901XP-AFC is recommended for high fluid pressure and high volume flow applications where minimization of foam is critical for part quality and machine operations. It can be used for machining operations of ferrous materials, where a heavy-duty synthetic fluid is desired. It is an excellent choice for central system applications.

Metals: Cast Iron, Nodular Iron, Carbon Steels, High Speed Steels, High Alloy Steels, Stainless Steels, Tool Steels, Titanium, Other Exotic Metals. It is not recommended for use with aluminum 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**.



VERSATILE, MULTI-PURPOSE PRODUCT – Capable of performing heavy-duty machining operations, and some stamping and drawing operations.

NEW TECHNOLOGY FORMULATION – Product contains no ethanalamines

EXCEPTIONALLY GOOD BACTERIA AND MOLD CONTROL – No offensive odors caused by bacteria-Long fluid life, minimizes concentrate usage and down time

GOOD FERROUS CORROSION CONTROL – Protects cast iron and steel parts, as well as machine components from rust.

CLEANLINESS – Rejects oil, no oily mist or smoke – Leaves a soft, non-tacky residue that is easily rinsed off – Mild to skin when used as recommended – Outstanding cleaning action – Keeps machines clean

ECONOMICAL – Low carry-off on parts and chips result in lower concentrate usage compared to soluble oil and semi-synthetic metalworking fluids – Can be used in any type of filter system – The product can be recycled

RECOMMENDED STARTING DILUTIONS **FOR INDUSTRIAL USE ONLY**
Recommended Starting Dilution: 5% (1:20)
Typical Operating Range: 5% (1:20) to 10% (1:10)
For concentrations outside this range contact OAK® Technical Service at 513-458-8199.

OAKFLO® DSY 901XP-AFC is to be mixed with water for use (add concentrate to water).

Add no other substances to the concentrate mix unless approved by OAK® Technical Services. Not recommended for use with magnesium or alloyed magnesium.

For concentration analysis, use the MI Titration Procedure, Non-Solvent Titration Procedure, Total Alkalinity Titration Procedure, OAKCHEK™ Test Strip, or Refractometer.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES
Physical state: Liquid
Appearance and odor: Clear/Chemical
Colors available: Undyed
Solubility in water: 100% Miscible
Weight, lb/gal, 60° F (15.6° C): 8.9
Specific gravity, H₂O = 1): 1.06
Boiling point, °F (°C): 212 (100)
Flash point, COC, °F (°C): None, Self Extinguishing
Fire point COC, °F (°C): None, Self Extinguishing
Freezing point, °F (°C): 18 (-8) If frozen, thaw completely at room temperature.
pH, concentrate: 10.0
pH, 5.0% mix, typical operating conditions: 9.0
Total chlorine/chloride, wt%, calculated: 0.00/0.12
Total sulfur, wt%, calculated: 0.002
Triazine: None
Dicyclohexylamine: None

PACKAGING Available in 5-gallon pails, 55-gallon drums, and bulk containers.

REFRACTOMETER FACTOR = 2.0 Multiply the scale reading obtained on your OAK® Metalworking Fluid or other acceptable refractometer by the **Refractometer Factor** to obtain the mix concentration in percent.

NOTE: Calibrate the refractometer so that it reads 0.0 with water, before testing the sample mix. Remove gross contaminants from the sample mix before testing.

For additional information concerning OAKFLO® DSY 901XP-AFC, refer to its OSHA MSDS or contact OAK® Technical Services at 1-513-458-8199. Reprints/Updates of this Product Information Flyer (PIF) can be found on our web site, WWW.OAKINTERNATIONAL.COM or from your OAK® representative.

Minor formulation changes or normal variations in the manufacture of this product may cause slight variations in the data presented on this sheet.
Consumable Products Division/Milacron Marketing Company
Cincinnati, Ohio 45209

ISO Certified Company
9001/14001

OAK-AFC-08 11/07

