



IF-WS₂

IW-4000

AW/AF/EP Water Based Additive

High performing Anti-Wear, Anti-Friction and Extreme Pressure water based additive. Use for metalworking and non flammable water soluble lubricants with superior cooling properties



Benefits

- Superior Extreme Pressure protection. Very low wear even under high load
- Improves heat transfer properties of water by up to 20%
- Can be used to formulate synthetic, semi-synthetic, emulsion MWF or any other water miscible lubricating fluid
- Safe, does not contain chlorinated paraffins
- Reduce coefficient of friction
- Can be used from low to high temperature
- Will not smoke
- Typical treat rates (depending on targeted specifications):
 - Finished lubricant 0.25% – 4% by weight
 - MWF concentrates: 4% – 30%

Format and Packaging

- Water Concentrate
- Containers:



Pail
Vol: 20 L / 5 Gal
Net: 26 kg / 57 Lb



Drum
Vol: 200 L / 55 Gal
Net: 260 kg / 573 Lb



IBC
Vol: 1000 L / 275 Gal
Net: 1300 kg / 2866Lb

Technical Specs

Color	Treat Rate		Density		Health	Safety
	Finished lubricant	MWF concentrates	at 77°F	at 25°C		
Black	0.25% – 4% by weight	4% – 30% by weight	12.000-15.000 lb/gal	1.440-1.800 g/ml	Non-toxic close cage particles as per OECD protocols	REACH Compliant

Industries

- Metalworking fluids
- Water based lubricants and coolants
- Surface protecting soft coating (when sprayed, dipped and dried)



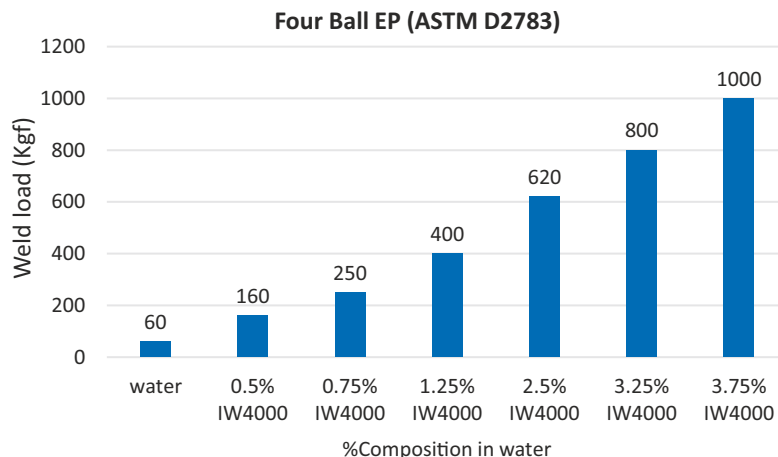
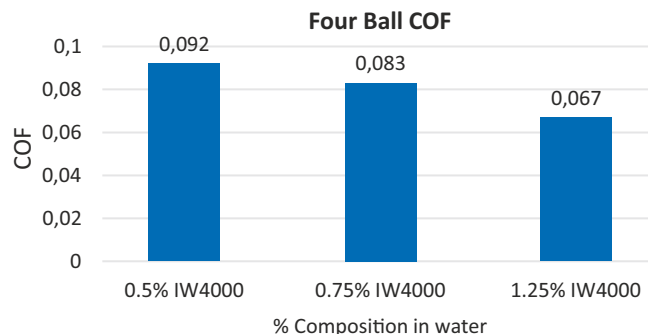
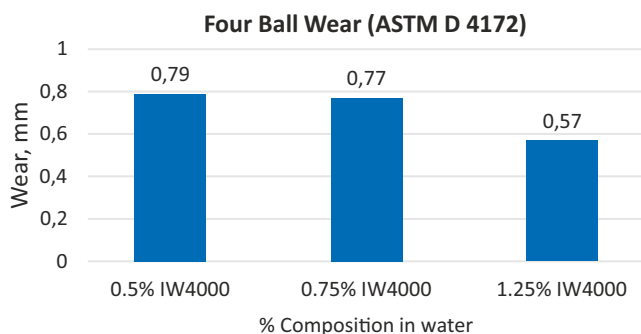
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How to Use

- Add to distilled water or water based product (PAG)
- Mix before use
- May require stabilization. Depends on final formulation and other components/ additives that are in the formulation.
- Mixing time: 1 hour minimum
- Avoid using sodium o-phenylphenate base biocides with corrosion inhibitor Sebacic acid in same formulation with IF-WS₂ IW-4000. It may cause instability of particles

Proven Results



Disclaimer

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