



Comparison of Lubricant Qualities between Archoil AR4200 CLP & Breakfree CLP

AR 4200 CLP

Breakfree CLP

Contains or Requirements

Main Lubricant:	Tungsten Disulfide (WS ₂)	Teflon
Particle Size:	Nano	Micron
Min Temp:	-54 F (WS ₂ remains intact – 425F)	-65 F
Max Temp:	2000 F	475 F
Working under Extreme Heat:	Yes	Heated TEFLON will 'clump' at high temp.
Evaporation Loss:	Nano Technology lubricants are resistance to evaporation & separation	Starts at 260 degrees,
Lubricity:	(WS ₂) Superior to Teflon	Good
Ability to Penetrate Metal:	Yes Nano Particles	No Micron Particles
Load Bearing:	300,000 psi	Load Bearing 3000-4500 PSI
Corrosion Properties:	100%	Unsure
Dry Film Properties:	Yes forms a very hard dry surface	Yes but unable to compare to (WS ₂)
Reduces Cleaning Times:	Yes	Yes
One Bottle Product:	Yes	Yes
Mil Spec:	Yes MS 46000 C	Yes MS 63460
Humidity Cabinet:	1200 hours (WS ₂ resist moisture)	900 hours plus
Salt Spray Cabinet:	2000 hours pass	(5%) 100 hours plus
Harmful to Weapon Finishes:	No	No
Corrosive:	No	No
Coefficient of Friction:	0.03	0.05 - 0.20

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