

# COMPARISON OF LUBRICANT QUALITIES BETWEEN ARCHOIL AR4200 CLP & BREAKFREE CLP

**PRODUCTS TESTED**  
Archoil AR4200 CLP Firearms Oil



**Contains or Requirements**

Main Lubricant:	Tungsten Disulfide (WS <sub>2</sub> )
Particle Size:	Nano
Min Temp:	-54 F (WS <sub>2</sub> remains intact – 425°F)
Max Temp:	2,000°F
Working under Extreme Heat:	Yes
Evaporation Loss:	Nano Technology lubricants are resistance to evaporation & separation
Lubricity:	(WS <sub>2</sub> ) Superior to Teflon
Ability to Penetrate Metal:	Yes - Nano Particles
Load Bearing:	300,000 PSI
Corrosion Properties:	100%
Dry Film Properties:	Yes forms a very hard dry surface
Reduces Cleaning Times:	Yes
One Bottle Product:	Yes
Mil Spec:	Yes MS 46000 C
Humidity Cabinet:	1,200 hours (WS <sub>2</sub> resist moisture)
Salt Spray Cabinet:	2,000 hours pass
Harmful to Weapon Finishes:	No
Corrosive:	No
Coefficient of Friction:	0.03

**AR 4200 CLP**

**Breakfree CLP**

Teflon
Micron
-65° F
475° F
Heated TEFLON will clump at high temp.
Starts at 260 degrees
Good
No - Micron Particles
Load Bearing 3,000-4,500 PSI
Unsure
Yes but unable to compare to (WS <sub>2</sub> )
Yes
Yes
Yes MS 63460
900 hours plus (5%) 100 hours plus
No
No
0.05 - 0.20