



**TECHNICAL DATA SHEET BWL- Blue Weapon Lube Product P/N 2021-66
Professional Duty Use - Firearm Lube (100% Aerospace Synthetic +400F)**

BWL-Blue Weapon Lube (100% Aerospace Synthetic +400F) Product Information:

- BlueEagle BWL- Blue Weapon Lubricant is a unique and special product formulation which is a **100% Aerospace Synthetic** product for **Professional & Extreme Duty Use**; based upon NATO S-761 with **German Military Specification BW-OV1045 & TL-9150-12-325-9790** **The original NATO S-761 was created for the toughest battlefield and aerospace requirements** for both the German Leopard 2 Tank w/ 7.62 Full Auto Machine Gun&120mm Howitzer Cannon& Eurofighter Typhoon 27mm cannon.
- BWL- Blue Weapon Lubricant is the highest standard in weapon lubricant design with extreme temp. compared to Military or Civilian CLP with **the highest flashpoint +400F (200C) & -65F (-54C)**.
- **For a synthetic product to achieve this performance accomplishment**; it must be a pure aerospace engineered synthetic material and nothing less. The BWL product is designed for land operations. BWL is designed beyond the original German Military performance design to include a special additive design; which both manages carbon and contamination during firearm / weapon system, while reducing friction upon moving parts where BWL is used; which promotes cooler temps.
- BlueEagle BWL- Proprietary Lubricant product. Formulated with advanced Bio Base and aerospace / synthetic chemistry. Universal for gun barrel bore & mechanical parts with aerospace lubricant provides; high temperature durability, cold /sub-zero operation temperatures, reduced friction & long-lasting features. Stay-ability upon surfaces with cleaner weapon performance (greatly reducing carbon, nitrite, residue particles & micro-dirt attraction). Increases overall component life cycles. Hot weather durability. **NEEDS FOR A HI- PERFORMANCE AEROSPACE DESIGN FIREARM LUBE.**

Applications & Use: BWL – Blue Weapon Lube: **Universal for multiple related: Pistol, Rifle & Shot Gun**

Features & Benefits:

- **This advantage of reduced friction and contamination management is most important** within the semi and full automatic firearms and weapon systems that use mechanical moving parts.
- By using a pure aerospace - synthetic material; BWL w/ clean burn capability reduces residue.
- With the **+400°F (200°C) flash point the synthetic fluid will operate at equal to less than the barrel and component temperatures**, which **improves stay-ability** w/ firearm or weapon system.
- In comparison to the CLP (Clean, Lube & Protection) product which on average has a 160°F to 200°F flash point; BWL over double +400°F capability for **firearm to operate longer w/ superior durability**.
- We must note, the Blue Eagle CLP product has nothing wrong with its design it is designed with a 50% cleaning material (CLP is a universal cleaner and lube combination).
- To our knowledge there is no other firearm / weapon lubrication product on the market currently that is equal or above the 400°F flash point including the friction reduction & contamination management.
- BWL as a 100% lubrication product and required the use of a 100% cleaning product such as BlueEagle RBC with over 100% bio base content with complete cleaning capability.
- **IN SUMMARY: BWL- Blue Weapon Lubricant is manufactured with the purest aerospace synthetic materials, designed to the highest performance standards** to handle both professional and extreme duty requirements as demanded by semi and fully automatic firearms and weapon systems. **There is no other product like BWL in the civilian & commercial world – PERIOD**



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Environmental & User SAFE Product

- FULFILLS TOXICOLOGY REQUIREMENTS as issued by USAPH (US Army Public Health Center)
- FULFILLS DoD SSPP – Department of Defense Strategic Sustainability Performance Plan regarding goals, initiatives & requirements for the replacement of “Chemicals of Concern”.
- NOTE: Always wash your hands using COLD water with soap and water.

CLP Specifications. Equal to DoD Qualification Testing vs. BWL- NATO-761 / German Mil Specification

ODS	No Ozone Depleting Substances	PASS
Toxicity and hazardous materials	US Army of Public Health Regulations	PASS
Color and appearance	Uniform in color and appearance	PASS

MIL SPEC OR ASTM TEST

CLP Qualification Spec BWL NATO 761 German Mil

Flash Point	ASTM D92	65°C (+149 °F)	200°C (+400 °F)	PASS
Pour Point	ASTM D97	-59 °C (-74 °F)	-60°C (- 65°F)	PASS
Viscosity@+40C(104F)	ASTM D445	14.0 cSt	17.0 cSt	PASS
Viscosity@100C(210F)	ASTM D445	5.0 cSt	6.25cSt	PASS
Viscosity@ -40C(-40F)	ASTM D445	5000 cSt	2200 cSt	PASS
Viscosity Index		NA	181 VI	PASS
Wear Prevention (3runs)	ASTM D4172	Max 0.8 max	3X AVG- 0.7	PASS
Load Carry Capacity	3min V-Block	575 lbs	600 lbs	PASS
Aluminum Submersion	ASTM B209	0.2 mg/cm2 (or less)	No Change mg/cm	PASS
Steel Submersion	ASTM A109	0.2 mg/cm2 (or less)	No Change mg/cm	PASS
Zinc Submersion	MIL-DTL-18001	1.5 mg/cm2 (or more)	No Change mg/cm	PASS
Plastic Submersion	MIL 3.3.1.4	0.0 mg/cm2 (or less)	No Change mg/cm	PASS
Copper Submersion	ASTM B152	1.5 mg/cm2 (or less)	No Change mg/cm	PASS
Magnesium Sub.	AMS 4376	0.5 mg/cm2 (or less)	No Change mg/cm	PASS
Brass Submersion	ASTM B16	1.0 mg/cm2 (or less)	No Change mg/cm	PASS
Cadmium Submersion	A-A-51126	1.5 mg/cm2 (or less)	No Change mg/cm	PASS
Water Displace/Stability	MIL 3.4.2	3 Panels clean	3 Panels Clean	PASS
Evap Loss 22H @ 100C	ASTM D-972	5.0% Max Loss	No Loss / Change	PASS
Freezing	MIL 3.5.2.1	No Fluid separation	No Fluid Separation	PASS
Heating	MIL 3.5.2.2	No Fluid separation	No Fluid Separation	PASS
Chemical Detection Paper		NO discolor	NO DISCOLOR	PASS

BWL
Blue Weapon Lubricant
Professional & Extreme Duty Use
100% Aerospace Synthetic
+400F (+200C) / -65F (-54C)
Semi & Full Auto - Firearms & Weapon Systems
Reduces Friction: Trigger, Moving Parts & Bore
Synthetic Clean-Burn with Cooler Temperatures
Carbon, Sulfur and Contamination Management
Performance-Run-Light-Mil Bore & Inner Surfaces

4oz (120 mL)
Part # 2021-66
BlueEagle CLP
Made in the USA

HEALTH	1
FLAMMABILITY	1
INSTABILITY	0