

Lubricant Additives

- ✓ Higher Efficiency
- ✓ Environmental Responsibility
- ✓ High-Tech Performance

Shepherd Chemical delivers advanced metal-based additive solutions that enable anti-wear protection, extreme pressure performance, & sludge control – even in sustainable formulations.

Performance Capabilities



Extreme Pressure (EP) & Anti-Wear (AW) Performance



High Temperature Stability



Traditional & Sustainable Base Stocks



Custom Additive Development

Key Metal Chemistries

BiLUBE® 8109

BiLUBE® 8211

Bismuth Neodecanoate 20%



Partnerships that Drive Impact

- Mid-to-large lubricant formulators
 - automotive
 - industrial
 - aerospace
 - energy
 - marine
- Companies seeking differentiation via custom chemistry
- Brands moving toward sustainability-focused additives
- Technical teams open to co-development

>90% 

of our lubricant additives have been **CUSTOM CO-DEVELOPED** with our partners. Our technical teams collaborate to meet precise performance targets and ensure supply reliability at scale.

Customize the molecule to make it yours by varying:

- Functional group
- Metal concentration
- Diluents
- Base oil
- Ligands
- Metal constituent
 - Bismuth
 - Boron
 - Iron
 - Manganese
 - Molybdenum
 - Titanium
 - Vanadium
 - Zinc

Your next breakthrough formulation starts here!

CONTACT US