



Dongguan Baixu Chemical Technology.,Ltd.

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8th Chenwu East Road, Houjie Town, Dongguan City, Guangdong Province, China

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## Antioxidant for Lubricant & Fuel

### What is Antioxidant for Lubricants & Fuel?

Antioxidants can be added to improve the shelf life of the product or to improve its high-temperature stability. While adding a stability margin during thermal processing. Antioxidant additives can be classified into hindered phenolic, amine, phosphites, thioesters, and binary mixtures.

Hindered phenol and amine are used as primary antioxidants. Thioesters are sometimes used as secondary antioxidants. There is a synergistic effect when using different antioxidants blended and the combination can meet heat and processing stability requirements.

Antioxidants prevent oil degradation and deposit formation in lubricating fluids. This extends the useful life of the oils and lubricants, thus helping to reduce dependence of these non-renewable petroleum-based products. Increased oil stability leads to reduced costs, better performance, and longer useful life.

Antioxidants play an important role in engine oils and industrial lubricants. They have been performance tested and proven to reduce the formation of harmful acidic and insoluble by-products resulting from the oxidation of the oil. Oxidation contributes to formation of sludge in the oil and an overall breakdown of the viscosity characteristics of the lubricant.

### Lubricant Types

Types of lubricants can be divided as categories listed below.

- Engine and driveline lubricants
- Hydraulic fluids
- Turbine lubricants (industrial and aviation)
- Compressor oils
- E-Mobility fluids
- Refrigeration lubricants
- Marine lubricants
- Greases
- Metalworking fluids

### Baixu Antioxidant for Lubricants & Fuel

Baixu offers antioxidants for lubricants as the table below, please click on the **product name** to jump to the product page.

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The information and statement herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility, Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. No warranty of fitness for a particular purpose is made.



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Group Item	Name	CAS No.	Physical Form	Equal to basf	Equal to SI	Equal to songwon
Amine	<a href="#">BX AO L57</a>	68411-46-1	Liquid	Irganox L 57		songnox L570
Amine	<a href="#">BX AO L67</a>	36878-20-3	Liquid	Irganox L 67		songnox L670
Phenolic	<a href="#">BX AO 1010</a>	6683-19-8	Powder	Irganox 1010		songnox L101
Phenolic	<a href="#">BX AO L115</a>	41484-35-9	Powder	Irganox L 115		songnox L115
Phenolic	<a href="#">BX AO L107</a>	2082-79-3	Liquid	Irganox L 107		songnox L107
Phenolic	<a href="#">BX AO L135</a>	125643-61-0	Liquid	Irganox L 135	Ethanox 4716	songnox L135
Phenolic	<a href="#">BX AO T502</a>	128-37-0	Liquid	/		
Phenolic	<a href="#">BX AO T502A</a>	128-37-0	Liquid	/		
Phenolic	<a href="#">BX AO 702</a>	118-82-1	Powder		Ethanox 4702 & 4710	
Phosphate	<a href="#">BX AO 168</a>	31570-04-4	Powder	irgafos 168	Alkanox 240	songnox L416
Thioester	<a href="#">BX AO DTDP</a>	10595-72-9	Liquid	/		songnox L226
Mixture	BX AO L64	68411-46-1	Liquid	Irganox L 64		
Mixture	BX AO L74	/	Liquid	Irganox L 74		

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Mixture	BX AO L150 /	Liquid	Irganox L 150
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## **Lubricant Antioxidant by Types**

### **1. Amine Antioxidant for Lubricants**

Including

BX AO L57

BX AO L67

### **2. Phenolic Antioxidant for Lubricants**

including

BX AO 1010

BX AO L115

BX AO L107

BX AO L135

BX AO T502

BX AO T502A

### **3. Thioester Antioxidant for Lubricants**

including

BX AO DTDTP

### **4. Phosphate Antioxidant for Lubricants**

BX AO 168

### **5. Antioxidant Mixtures for Lubricants**

including

BX AO L64

BX AO L74

BX AO L150

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