



Intertek



Applied
Lubrication
Technology Inc.

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Lubricant Technical Information Guide



Chain Lube 475

Applied Lubrication Technology Inc. Chain Lube 475 is specifically developed to meet the extreme lubrication demands of industry. Chain Lube 475 is a high quality lubricant designed for lubrication of chains at elevated temperatures. It is a highly stable wear and friction reducing dispersion of ultra-fine graphite particles for applications which approach boundary lubrication conditions. This graphite film lubricates effectively at temperatures up to 482°C (900°F), and also helps to prevent metal-on-metal contact.

Other advantages are as follows:

- Eliminates galling, seizing, stick-slip, and press-fit distortion
- Reduces break-in time for new equipment
- Prevents fretting
- Protects against corrosion

Chain Lube 475 is especially formulated to be applied by ALT's automated lubrication system.

Technical Specifications

Chain Lube 475	Typical Properties
Appearance	Black
Base Viscosity	28 cSt@ 40°C (132 sus@104°F)
	5.4 cSt@ 100°C (43.7 sus@212°F)
Viscosity Index	133
Flash Point (COC)	200°C (392°F)
Copper Corrosion (ASTM D 130)	1 lb
Specific Gravity @ 15.6 °C	0.8706 g/ml
Operating Temperatures	Ambient - 482°C (900°F)

Product Applications

This higher viscosity lubricant is specifically developed for the lubrication of heavily loaded conveyor chains that are subject to increased temperatures.

Product Packaging

Chain Lube 475 is available in 18.9 Liter (5 Gallon) pails, 200 Liter (53 Gallon) drums, and 1200 Liter (317 Gallon) totes.

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Chain Lube 540M

Applied Lubrication Technology’s synthetic Chain Lube 540M, is a molybdenum based synthetic high temperature lubricant. It is a long lasting lubricant at temperatures up to 260°C (500°F), leaving very little varnish or carbon residue. While competitor’s lubricants will have degraded, Chain Lube 540M will remain as a liquid for longer periods of time, thereby reducing consumption. This lubricant will also soften carbon residue left from previous lubricants. It provides excellent wetting and penetrating capability which will loosen barrels and links which have heavy deposits and no longer move freely.

Chain Lube 540M can be used in applications where temperatures can range from ambient up to 260°C (500°F).

Chain Lube 540M is especially formulated to be applied by ALT’s automated lubrication systems.

Technical Specifications

Chain Lube 540M	Typical Properties
Appearance	Clear / Amber
Odor	Mild
Viscosity	70 cSt@ 40°C
	10 cSt@ 100°C
Viscosity Index	125
Pour Point	-32°C (-25°F)
Flash Point (COC)	265°C (509°F)
Four Ball Wear Scar, 1hr; 1200 rpm; 40kg; 75°C (167°F)	0.3 mm
Specific Gravity @ 15.6 °C	0.8615 (g/ml)
Operating Temperatures	Ambient - 260°C (500°F)

Product Applications

Chain Lube 540M can also be used for the lubrication of many different mechanical systems such as; bearings, gears, sprockets, hinges, firearms, linkages, threads, slides, cables, locking mechanisms and more. Although, this product has been specifically developed for the lubrication of conveyor chains, its chemical composition makes it suitable for many other applications.

Product Packaging

Chain Lube 540M is available in 18.9 Liter (5 Gallon) pails, 200 Liter (53 Gallon) drums and 1200 Liter (317 Gallon) totes.

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Chain Lube 845

Applied Lubrication Technology Chain Lube 845 is specially formulated to be a more environmentally friendly lubricant as compared to solvent based chain lubricants. Chain Lube 845 has a high water content essentially eliminating any fire hazard. Furthermore any volatiles emitted by Chain Lube 845 are water vapor as opposed to solvent vapors which are hazardous to the environment. Chain Lube 845 contains a water soluble molybdenum disulfide which works to reduce friction, thus reducing wear and energy consumption. The molybdenum disulfide also provides boundary lubrication, and dry film protection. Chain Lube 845 can be applied to chains at ambient to approximately 90°C (194°F).

Chain Lube 845 is specifically designed to be applied by Applied Lubrication's automated lubrication system.

Technical Specifications

Chain Lube 845	Typical Properties
Appearance	Dark Grey / Black
Odor	Mild
Flash Point	None - Due to high water content
Water Content %	Approximately 95.0

Product Applications

Although this product is specifically developed for the lubrication of conveyor chains using a programmable, automatic, application system, the lubricant can also be used for the lubrication of many different mechanical devices, such as; bearings, gears, sprockets, hinges, firearms, linkages, threads, slides, cables, locking mechanisms, etc.

Product Packaging

Chain Lube 845 is available in 18.9 Liter (5 Gallon) pails, 200 Liter (53 Gallon) drums and 1200 Liter (317 Gallon) totes.

Bar & Chain Oil 1000

Applied Lubrication Technology Bar & Chain Oil 1000 is specially formulated to meet the extreme lubrication demands of industry. This product acts as a lubricant, penetrant, and cleaner that reaches all links, pins, and moving parts of a conveyor chain. The unique blend of extreme pressure lubricating agents will reduce chain wear and chain driver power consumption, leading to increased chain life. In addition to extreme pressure agents, molybdenum disulfide is used which deposits as a dry film coating on all metal surfaces.

Other unique qualities of Bar & Chain Oil 1000 is its ability to stay where it is sprayed. This ability will ensure that wear surfaces are protected, thus extending service use and reducing downtime.

Bar & Chain Oil 1000 can be used in applications where temperatures can range from ambient up to 315°C (600°F).

Bar & Chain Oil 1000 is specifically designed to be applied by Applied Lubrication’s automated lubrication system.

Technical Specifications

Bar & Chain Oil 1000	Typical Properties
Appearance	Dark Grey / Black
Odor	Mild Petroleum
Base Viscosity (of the concentrated portion)	240 cSt @ 40°C (104°F)
Flash Point (TCC)	81°C (177.8°F)

Product Applications

This higher viscosity lubricant is specifically developed for the lubrication of heavily loaded conveyor chains using a programmable automated application system. Bar & Chain Oil 1000 can also be used for the lubrication of many other more heavily loaded mechanical devices, such as; bearings, gears, sprocket, hinges, linkages, threads, slides, cables, and locking mechanisms, etc.

Product Packaging

Bar & Chain Oil 1000 is available in 18.9 Liter (5 Gallon) pails, 200 Liter (53 Gallon) drums.

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Chain Lube 1000

Applied Lubrication Technology Inc. Chain Lube 1000 is formulated to meet the extreme lubrication demands of industry. This product acts as a lubricant, penetrant and cleaner that reaches all links, pins, and moving parts of a conveyor chain. Chain Lube 1000 contains a unique blend of extreme pressure lubricating agents which greatly reduce chain wear and chain drive power consumption, leading to increased chain life. In addition to these extreme pressure agents, Chain Lube 1000 also contains molybdenum disulfide which deposits as a dry film coating on all metal surfaces. The molybdenum disulfide provides excellent anti-wear properties preventing metal-on-metal contact.

Other unique qualities of Chain Lube 1000 are its high corrosion protection and acid atmosphere resistance properties enabling this lubricant to be used in some of the most severe and demanding industrial applications.

Chain Lube 1000 can be used in applications where temperatures can range from ambient up to 315°C (600°F).

Chain Lube 1000 is especially formulated to be applied by ALT's automated lubrication system.

Technical Specifications

Chain Lube 1000	Typical Properties
Appearance	Dark Grey / Black
Odor	Mild Petroleum
Base Viscosity (of the concentrate portion)	142 cSt @ 40°C (667 sus@104°F)
	14.5 cSt @ 100°C (75 sus@212°F)
Viscosity Index	99
Flash Point (TCC)	47°C (117°F)
Copper Corrosion (ASTM D 130)	1 lb
Falex Test Load	+1400 lb
Specific Gravity @ 15.6°C	0.8047 g/ml

Product Applications

Although this product is specifically developed for the lubrication of conveyor chains using a programmable automated application system, Chain Lube 1000 can also be used for the lubrication of many different mechanical systems such as; bearings, gears, sprockets, hinges, firearms, linkages, threads, slides, cables, locking mechanisms, and more.

Product Packaging

Chain Lube 1000 is available in 18.9 Liter (5 Gallon) pails and 200 Liter (53 Gallon) drums.

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Chain Lube 1000 HF

Applied Lubrication Technology Inc. Chain Lube 1000 HF is formulated to meet the extreme lubrication demands of industry. It performs similarly to Chain Lube 1000, but it is designed to have less of a petroleum odor with a much higher Flash Point. This product acts as a lubricant, penetrant and cleaner that reaches all links, pins, and moving parts of a conveyor chain. Chain Lube 1000 HF contains a unique blend of extreme pressure lubricating agents which greatly reduce chain wear and chain drive power consumption, leading to increased chain life. In addition to these extreme pressure agents, Chain Lube 1000 HF also contains molybdenum disulfide which deposits as a dry film coating on all metal surfaces. The molybdenum disulfide provides excellent anti-wear properties preventing metal-on-metal contact.

Other unique qualities of Chain Lube 1000 HF are its high corrosion protection, water-displacing, and acid atmosphere resistance properties enabling this lubricant to be used in the most severe and demanding industrial applications.

Chain Lube 1000 HF can be used in applications where temperatures can range from ambient up to 315°C (600°F).

Chain Lube 1000 HF is especially formulated to be applied by ALT's automated lubrication system.

Technical Specifications

Chain Lube 1000 HF	Typical Properties
Appearance	Dark Grey / Black
Odor	Mild Petroleum
Base Viscosity (of the concentrate portion)	144 cSt @ 40°C (667 sus@104°F) 14.5 cSt @ 100°C (75 sus@212°F)
Viscosity Index	100
Flash Point (PMCC)	105°C (221°F)
Copper Corrosion (ASTM D 130)	1 lb
Falex Test Load	+1400 lb
Specific Gravity @ 15.6°C	0.8247 g/ml

Product Applications

Although this product is specifically developed for the lubrication of conveyor chains using a programmable automated application system, Chain Lube 1000 HF can also be used for the lubrication of many different mechanical systems such as; bearings, gears, sprockets, hinges, firearms, linkages, threads, slides, cables, locking mechanisms, and more.

Product Packaging

Chain Lube 1000 HF is available in 18.9 Liter (5 Gallon) pails, 200 Liter (53 Gallon) drums and 1200 Liter (317 Gallon) totes.

Chain Lube 1000 NO

Applied Lubrication Technology Inc. Chain Lube 1000 NO has been developed to meet the extreme lubrication demands of industry. It performs similarly to Chain Lube 1000, but it is designed to have less of a petroleum odor with a slightly higher Flash Point. This product acts as a lubricant, penetrant and cleaner that reaches all links, pins, and moving parts of a conveyor chain. Chain Lube 1000 NO contains a unique blend of extreme pressure lubricating agents which greatly reduce chain wear and drive power consumption, leading to increased chain life. In addition to these extreme pressure agents, Chain Lube 1000 NO also contains molybdenum disulfide which deposits as a dry film coating on all metal surfaces. The molybdenum disulfide provides excellent anti-wear properties preventing metal to metal contact.

Other unique qualities of Chain Lube 1000 NO are its high corrosion protection, water-displacing, and acid atmosphere resistance properties enabling this lubricant to be used in the most severe and demanding industrial applications.

Chain Lube 1000 NO can be used in applications where temperatures can range from ambient up to 315°C (600°F).

Chain Lube 1000 NO is especially formulated to be applied by ALT’s automated lubrication system.

Technical Specifications

Chain Lube 1000 NO	Typical Properties
Appearance	Dark Grey / Black
Odor	Mild Petroleum
Base Viscosity (of the concentrate portion)	144 cSt @ 40°C (667 sus@104°F) 14.5 cSt @ 100°C (75 sus@212°F)
Viscosity Index	100
Flash Point (PMCC)	68°C (154°F)
Copper Corrosion (ASTM D 130)	1 lb
Falex Test Load	+1400 lb
Specific Gravity	.07819 g/ml

Product Applications

Although this product is specifically developed for the lubrication of conveyor chains using a programmable automated application system, Chain Lube 1000 NO can also be used for the lubrication of many different mechanical systems such as; bearings, gears, sprockets, hinges, firearms, linkages, threads, slides, cables, locking mechanisms, and more.

Product Packaging

Chain Lube 1000 NO is available in 18.9 Liter (5 Gallon) pails, 200 Liter (53 Gallon) drums and 1200 Liter (317 Gallon) totes.

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Chain Lube 3000 HL-Mod.1

Applied Lubrication Technology Inc. Chain Lube 3000 HL-Mod.1 is formulated to meet the extreme lubrication demands of industry. This product acts as a lubricant, penetrant and cleaner that reaches all links, pins, and moving parts of a conveyor chain. Chain Lube 3000 HL-Mod.1 contains a unique blend of extreme pressure lubricating agents which greatly reduce chain wear and chain drive power consumption, leading to increased chain life. In addition to these extreme pressure agents, Chain Lube 3000 HL-Mod.1 also contains molybdenum disulfide which deposits as a dry film coating on all metal surfaces. The molybdenum disulfide provides excellent anti-wear properties preventing metal-on-metal contact.

Other unique qualities of Chain Lube 3000 HL-Mod.1 are its high corrosion protection, water-displacing, and acid atmosphere resistance properties enabling this lubricant to be used in the most severe and demanding industrial applications.

Chain Lube 3000 HL-Mod.1 can be used in applications where temperatures can range from -30°C (-22°F) to 315°C (600°F).

Chain Lube 3000 HL-Mod.1 is especially formulated to be applied by ALT's automated lubrication system.

Technical Specifications

Chain Lube 3000 HL-Mod.1	Typical Properties
Appearance	Dark Grey / Black
Odor	Mild Petroleum
Base Viscosity (of the concentrate portion)	95 cSt @ 40°C (440 sus@104°F)
	11.8 cSt @ 100°C (65 sus@212°F)
Viscosity Index	114
Flash Point (TCC)	52°C (126°F)
Copper Corrosion (ASTM D 130)	1 lb
Falex Test Load	+4500 lb
Torque	+55 ft. - lb
Specific Gravity @15.6°C (60°F)	0.8255 g/ml
Temperature Range	-30°C (-22°F) - 315°C (600°F)

Product Applications

This higher viscosity lubricant is specifically developed for the lubrication of heavily loaded conveyor chains using a programmable automated application system. Chain Lube 3000 HL-Mod.1 can also be used for the lubrication of many other more heavily loaded mechanical devices, such as; bearings, gears, sprockets, hinges, linkages, threads, slides, cables, locking mechanisms, etc.

Product Packaging

Chain Lube 3000 HL-Mod.1 is available in 18.9 Liter (5 Gallon) pails and 200 Liter (53 Gallon) drums.

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Chain Lube 3000 HL-MOD1-HF

Applied Lubrication Technology Inc. Chain Lube 3000 HL-MOD1-HF has been developed to meet the extreme lubrication demands of industry. It performs similarly to our Chain Lube 3000 HL-MOD1 except that it was designed to have a much higher flash point. This product acts as a lubricant, penetrant and cleaner that reaches all links, pins, and moving parts of a conveyor chain. The Chain Lube 3000 HL-MOD1-HF contains a unique blend of extreme pressure lubricating agents which greatly reduce chain wear and drive power consumption leading to increased chain life. In addition to these extreme pressure agents, the Chain Lube 3000 HL-MOD1-HF also contains molybdenum disulfide which deposits as a dry film coating on all metal surfaces. The molybdenum disulfide provides excellent anti-wear properties preventing metal to metal contact.

This Chain Lube 3000 HL-MOD1-HF can be used in applications where temperatures can range from ambient up to 315°C (600°F).

Other unique qualities of the Chain Lube 3000 HL-MOD1-HF are its high corrosion protection, water-displacing, and acid atmosphere resistance properties enabling this lubricant to be used in the most severe and demanding industrial applications.

The Chain Lube 3000 HL-MOD1-HF is especially formulated to be applied by ALT's automated lubrication system.

Technical Specification of Chain Lube 3000 HL-MOD1-HF:

Chain Lube 3000 HL-MOD1-HF	Typical Properties
Appearance	Dark Grey / Black
Odor	Mild Petroleum
Base Viscosity (of the concentrate portion)	95 cSt @ 40°C (440 sus@104°F)
	11.8 cSt @ 100°C (65 sus@212°F)
VI (Viscosity Index)	114
Flash Point (PMCC)	>110°C (230°F)
Copper Corrosion (ASTM D 130)	1 lb
Falex Test Load Lbs	+4500
Torque	+55 Ft - Lbs
Specific Gravity (g/ml)	0.8210
Temperature Range	-30°C (-22°F) to 316°C (600°F)

Product Applications

This higher viscosity lubricant has been specifically developed for the lubrication of heavily loaded conveyor chains using a programmable automated application system. The Chain Lube 3000 HL-MOD1-HF can also be used for the lubrication of many other more heavily loaded mechanical devices, such as; Bearings, Gears, Sprockets, Hinges, Linkages, Threads, Slides, Cables, Locking Mechanisms, etc.

Product Packaging

Chain Lube 3000 HL-MOD1-HF is available in 18.9 Liter (5 Gallon) pails, 200 Liter (53 Gallon) drums, and 1200 Liter (317 Gallon) returnable tote bin quantities.



Contact us for more information!

Scan the qr code to send us an email, we will contact you shortly.

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Chain Lube C845

Applied Lubrication Technology's Chain Lube C845 is specially formulated to be a more environmentally friendly lubricant as compared to solvent based chain lubricants and is compatible with water-based cathodic dip coatings. The formulation includes a water-soluble synthetic fluid, offering exceptional hydrodynamic lubrication capabilities, enabling Chain Lube C845 to be used on a wide variety of chain types, including caterpillar drive chains. Chain Lube C845 has a high water content essentially eliminating any fire hazard. Chain Lube C845 can be applied to chains at temperatures up to approximately 90°C (194°F). Chain Lube C845 contains a water soluble molybdenum disulfide which works to reduce friction, wear and energy consumption and provides boundary lubrication and dry film protection for applications up to 315°C (600°F).

Chain Lube C845 is specifically designed to be applied by Applied Lubrication's automated lubrication system.

Technical Specifications

Chain Lube C845	Typical Properties
Appearance	Dark Grey / Black
Odor	Mild
Flash Point (COC) ASTM D92	149°C (300°F)
Water Content (%)	approximately 80%

Product Applications

Although this product is specifically developed for the lubrication of conveyor chains using a programmable, automatic, application system, the lubricant can also be used for the lubrication of many different mechanical devices, such as; bearings, gears, sprockets, hinges, firearms, linkages, threads, slides, cables, locking mechanisms, etc.

Product Packaging

Chain Lube C845 is available in 18.9 Liter (5 Gallon) pails, 200 Liter (53 Gallon) drums and 1200 Liter (317 Gallon) totes.

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Chain Lube FG-VG10

Applied Lubrication Technology Chain Lube FG-VG10 has been specially formulated to meet NSF H1(incidental contact) certification. Through the use of synthetic and high purity base oils ALT has achieved performance excellence. Where competitor’s lubricants have broken down, Chain Lube FG-VG10 will have continued to perform for greater periods of time, thereby reducing consumption and extending service life. The added benefit of softening carbon residue further extends the chain service life. The wetting, penetrating, and cleaning abilities aid in the freeing of stiff barrels and links which have become built up with heavy deposits from previous lubricants.

Chain Lube FG -VG10 can be used in applications where temperatures can range from ambient to 287°C (550°F).

Chain Lube FG-VG10 is specially formulated to be applied by ALT’s automated lubrication system.

Technical Specifications

Chain Lube FG-VG10	Typical Properties
Appearance	Clear/Light Amber
Odor	Mild
Flash Point	99°C (210°F)
Four Ball Wear Scar D4172 1hr, 1200 rpm, 40Kg, 75°C (167°F)	0.41 mm
Operating Temperature	Ambient - 287°C (550 °F)
Base Viscosity (of the concentration portion)	4.5 cSt @ 40°C (104°F)

Product Applications

Chain Lube FG-VG10 is specifically developed for the lubrication of conveyor chains where NSF H1 Food Grade Lubricants are required, however, its chemical composition makes it suitable for many other applications.

Product Packaging

Chain Lube FG-VG10 is available in 18.9 Liter (5 Gallon) pails and 200 Liter (53 Gallon) drums.



**Nonfood Compounds
Program Listed H1
145241**

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Chain Lube FG-VG20

Applied Lubrication Technology's food grade Chain Lube FG-VG20, is a non-molybdenum disulfide based synthetic lubricant containing high purity synthetic hydrocarbons. While competitor's lubricants will have degraded, Chain Lube FG-VG20 will remain as a liquid for longer periods of time, thereby reducing consumption. This lubricant also softens carbon residue that may have been left from previous lubricants used. Its wetting and penetrating ability loosens barrels and links which have heavy deposits and no longer spin or move freely. Chain Lube FG-VG20 is NSF H1 food grade approved.

Chain Lube FG-VG20 can be used in applications where temperatures can range ambient up to 287°C (550°F).

Chain Lube FG-VG20 is specially formulated to be applied by ALT's automated lubrication system.

Technical Specifications

Chain Lube FG-VG20	Typical Properties
Appearance	Clear/Light Amber
Odor	Mild
Base Viscosity (of the concentrated portion)	9 cSt @ 40°C (104°F)
Flash Point	79°C (174°F)
Four Ball Wear Scar D4172 1hr, 1200 rpm, 40Kg, 75°C (167°F)	0.40 mm
Operating Temperature	Ambient - 287°C (550°F)

Product Applications

Chain Lube FG-VG20 is specifically developed for the lubrication of conveyor chains where NSF H1 Food Grade Lubricants are required, however, its chemical composition makes it suitable for many other applications.

Product Packaging

Chain Lube FG-VG20 is available in 18.9 Liter (5 Gallon) pails and 200 Liter (53 Gallon) drums.



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Chain Lube FG-VG30

Applied Lubrication Technology's food grade Chain Lube FG-VG30, is a non-molybdenum disulfide based synthetic lubricant containing high purity synthetic hydrocarbons. While competitor's lubricants will have degraded, Chain Lube FG-VG30 will remain as a liquid for longer periods of time, thereby reducing consumption. This lubricant also softens carbon residue that may have been left from previous lubricants used. It's wetting and penetrating ability loosens barrels and links which have heavy deposits and no longer spin or move freely. Chain Lube FG-VG30 is NSF H1 food grade approved.

Chain Lube FG-VG30 can be used in applications where temperatures can range from ambient to 287°C (550°F).

Chain Lube FG-VG30 is specially formulated to be applied by ALT's automated lubrication system.

Technical Specifications

Chain Lube FG-VG30	Typical Properties
Appearance	Clear/Light Amber
Odor	Mild
Base Viscosity (of the concentrated portion)	15 cSt @ 40°C (104°F)
Flash Point	84°C (183°F)
Four Ball Wear Scar D4172 1hr, 1200 rpm, 40Kg, 75°C (167°F)	0.37 mm
Operating Temperatures	Ambient - 287°C (550°F)

Product Applications

Chain Lube FG-VG30 is specifically developed for the lubrication of conveyor chains where NSF H1 Food Grade Lubricants are required, however, its chemical composition makes it suitable for many other applications.

Product Packaging

Chain Lube FG-VG30 is available in 18.9 Liter (5 Gallon) pails and 200 Liter (53 Gallon) drums.



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