



# METAL WORKING NEAT OILS

JAEGER OIL & CHEMICAL CO. LTD.

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## SPECIAL INTRODUCTION

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# JAEGER NEAT CUTTING OILS

The series has the following advantages

- Excellent cooling and lubricity
- Good sedimentation and anti-oxidation
- It can extend the tool life and improve the surface finish of work-pieces
- It is safe to use, environmentally friendly and low odour, non-irritating to skin
- Suitable for various machining processes of metal types

Item	Characteristics	Machining Processes & Materials	Appearance
<b>LIGHT TO MEDIUM LOAD CUTTING OILS</b>			
<b>JAEGER 188</b> <b>JAEGER 188(A)</b>	It has excellent extreme pressure properties and will not corrode or discolour copper, aluminium or their alloys.	It is suitable for various machining processes such as turning, milling, drilling, boring and reaming of ferrous metals such as tool steel and carbon steel and non-ferrous metals such as copper and aluminium alloy.	Light yellow clear liquid
<b>JAEGER 190</b>	With good lubricity, cooling and sedimentation properties, it can effectively reduce the tendency of adhesion between chip and tools.	It is suitable for automatic turning, milling and drilling of non-ferrous metals and also for grinding of ferrous and non-ferrous metals. Recommended for the high speed cutting in the CNC machine and centreless grinding of aluminium alloy shaft.	Light yellow clear liquid
<b>JAEGER 191</b>	It provides good lubricity, cooling, anti-mist and sedimentation properties, reducing the tendency of adhesion between chip and tools.	Suitable for automatic turning, milling, drilling processing of non-ferrous metals, and also for grinding of ferrous and non-ferrous metals. Recommended for centreless grinding of aluminium alloy shafts and high-speed machining on CNC machining centres.	Light yellow clear liquid
<b>JAEGER 195</b>	With low viscosity, excellent cooling, corrosion resistance and water separation properties, it can extend the service life of tool.	It is suitable for turning, milling, boring, grinding and polishing of non-ferrous metals such as aluminium alloy, copper alloy, magnesium alloy, and ferrous metals including stainless steel and cast iron, etc.	Light yellow clear liquid
<b>JAEGER 388(A)</b>	Multi-purpose, chlorine-free, with excellent extreme pressure properties. No corrosion or discoloration to copper, aluminium and their alloys.	It is suitable for turning, milling, drilling, boring, reaming and other general machining of ferrous and non-ferrous metals, such as tool steel, carbon steel, stainless steel, copper, aluminium and their alloys.	Yellow clear liquid
<b>JAEGER 390</b>	It has excellent lubricity, extreme pressure and anti-corrosion properties. It is chlorine free.	It is suitable for general machining such as turning, milling, drilling, boring and reaming of ferrous metals such as tool steel, carbon steel, stainless steel and non-ferrous metals such as copper, aluminium alloy and titanium alloy.	Light yellow clear liquid



Item	Characteristics	Machining Processes & Materials	Appearance
<b>HEAVY LOAD CUTTING OILS</b>			
<b>JAEGER 200A</b>	It contains active sulphur. With excellent lubricity and extreme pressure properties, it is suitable for heavy-load machining process.	It is suitable for gear machining, thread machining, tapping, turning and other processes. It can be recommended for gear shaving while not recommended for non-ferrous metals.	Light orange clear liquid
<b>JAEGER 200N</b>	Sulphur free. It is non-corrosive to metals and has excellent lubrication and extreme pressure properties.	It is recommended for turning of copper watchcase, finish turning of stainless steel watchcase, drilling of aluminium alloy	Light yellow clear liquid
<b>JAEGER 300</b>	It has excellent lubrication and extreme pressure properties. It is recommended for the processing of stainless steel mobile phone accessories.	Recommended for drilling, threading, tapping, turning and gear cutting. It is suitable for moderate strength ferrous metals, particularly recommended for machining mobile phone parts of stainless steel. Not recommended for non-ferrous metals.	Yellow clear liquid
<b>JAEGER 500</b>	Heavy-duty cutting oil designed for cutting the most difficult metals under the most demanding operating conditions.	It is suitable for broaching, tapping, reaming, high-speed milling and gear shaving, and automatic cutting machine tools for processing stainless steel and heat-resistant alloys. It is especially recommended for turning stainless steel watch cases. It is not recommended for non-ferrous metals.	Light amber clear liquid
<b>JAEGER 500EP</b>	Heavy duty cutting oil containing a lot of high performance active extreme pressure additives. Designed to provide the best performance under most demanding operating conditions and cutting metals.	It is suitable for broaching, tapping, reaming, high speed milling and gear shaving, etc. It is particularly recommended for tapping of nut. Not recommended for non-ferrous metals.	Light orange clear liquid
<b>CNC Cutting Oil</b>	With medium viscosity, high lubricity, good extreme pressure resistance and strong thermal stability. It is recommended for CNC machining centres.	It is suitable for medium to heavy duty processes of aluminium, copper, cast iron, steel, stainless steel, heat resisting alloy and other materials. It is also suitable for stamping and drawing of sheet metals. It is suitable for the high speed cutting in the CNC machine.	Light amber clear liquid
<b>Gun Drilling Oil</b>	Low viscosity neat cutting oil designed for deep drilling, especially for some heavy duty processes which need good washability and lubricity.	It is suitable for deep hole drilling, boring and gun drilling, also for high speed turning and milling. It can cut a variety of hard texture ferrous metals, including alloy steel, stainless steel and high nickel alloy. It is also suitable for honing of high strength metals.	Yellow clear liquid

# JAEGER GRINDING OILS

Item	Characteristics	Machining Processes & Materials	Appearance
<b>JAEGER 182</b>	Low-viscosity. Excellent lubricity, cooling and chip sedimentation properties. It can effectively extend the service life of grinding wheel and improve the surface finish of work-pieces.	Suitable for grinding of ferrous metals, such as carbon steel, hard steel, high-speed steel, stainless steel and carbide alloys. Specially designed for the grinding of cemented carbides such as tungsten carbide, which can effectively prevent cobalt leaching.	Colourless clear liquid
<b>JAEGER 192M1</b>	It has excellent cooling, settling and oxidation resistance, low odour and low oil mist tendency.	It is suitable for light to medium duty processes of ferrous and nonferrous metals, such as turning and milling. It is suitable for glasses and graphite machining, particularly recommended for grinding, including honing and super-grinding.	Yellowish white clear liquid
<b>JAEGER 391</b>	Free of chlorine, with a combination of anti-corrosion, extreme pressure and anti-smoke additives. It has excellent lubricity, which can extend the service life of tool and improve the surface finish of work-piece effectively.	It is especially recommended for gear grinding. It is also suitable for grinding, turning, milling, drilling, boring and reaming of ferrous metals such as tool steel, carbon steel, stainless steel and non-ferrous metals such as copper and aluminium alloys.	Light yellow clear liquid
<b>JAEGER 392</b>	With a high viscosity index and excellent corrosion resistance. Particularly recommended for gear grinding.	It can be used for medium load, high speed and low feed machining of ferrous and non-ferrous metals.	Yellow clear liquid
<b>JAEGER 395</b>	It has medium viscosity, good dispersibility and cooling properties.	It is especially recommended for gear grinding. It is also suitable for grinding, turning, milling, drilling, boring and reaming of ferrous metals such as tool steel, carbon steel, stainless steel and non-ferrous metals such as copper and aluminium alloys.	Yellow clear liquid

# JAEGER DRAWING LUBES

Jaeger Drawing Lubes is a series of high-quality drawing and stamping oil made from mineral oil, fat additives and composite additives with synergistic effects. It can adapt to the stamping requirements of different materials and different processes.

Item	Characteristics	Machining Processes & Materials	Appearance
<b>JD 900R</b>	Excellent extreme pressure property extends the service tool life effectively. With superior lubricity, anti-stick-slip and heat stability.	It is designed for medium to heavy duty drawing and heavy duty stamping of ferrous metals including stainless steel, carbon steel and high nickel steel.	Amber clear liquid
<b>JD 920</b>	It offers excellent lubricity and extreme pressure property, excellent film strength, good adhesion performance.	It is designed for medium duty drawing, forming, cutting and stamping of ferrous metals. It can be applied to many forming and cutting operations, especially for the circumstances that excellent lubricity and extreme pressure performance are required.	Yellow clear liquid
<b>JD 930EP</b>	It can be applied to many forming and cutting operations. Especially catering for the circumstances that excellent lubricity and extreme pressure performance are required.	It is designed for medium duty drawing, forming, cutting and stamping of ferrous metals.	Light orange clear liquid
<b>JD 940</b>	Excellent extreme pressure property protects tools effectively. Superior lubricity, low mist tendency.	It is applied to various forming and cutting operations for automatic processes of low carbon steel, medium carbon steel and aluminium alloy.	Red clear liquid
<b>JD 960</b>	High viscosity, heavy duty drawing fluid providing excellent lubricity and extreme pressure property.	It is specially designed for extremely deep drawing of complex shaped stainless steel, high nickel alloy, carbon steel. It is also suitable for tungsten carbide and hard ceramic mould.	Brown clear liquid
<b>JD 968</b>	Excellent lubricity and extreme pressure properties which reduce rejection rate and extend the service life of tools effectively.	It is designed for heavy duty drawing, forming, cutting and stamping of ferrous metals.	Light yellow clear liquid
<b>JD 970</b>	High content of chlorinated extreme pressure additives, which are more easily removed when combined with non-ionic emulsifiers.	Specially formulated for deep drawing operations on carbon steel and stainless steel.	Brown clear liquid
<b>JD 988</b>	It is compounded from refined mineral oil, synthetic ester, high-efficiency extreme pressure additives, rust inhibitors, etc. With good lubricity and extreme pressure properties.	Suitable for medium-load stretch forming of most ferrous and nonferrous metal materials. Recommended for stretch forming of battery shells for new energy vehicles.	Yellow clear liquid

# JAEGER TAPPING FLUID

Item	Characteristics	Machining Processes & Materials	Appearance
<b>J1</b>	High performance hand-applied cutting lubricant.	Tapping, drilling, reaming of ferrous metals.	Light brown clear liquid

- ☛ Effectively prevent drill and tap breakage and extend tool life.
- ☛ Improve the surface finish of work-piece.
- ☛ Designed for machining under harsh conditions.





# JAEGER STAMPING FLUIDS

Item	Characteristics	Machining Processes & Materials	Appearance
<b>S-800</b>	Light load, no residue. Low viscosity, fast volatilization, good cooling performance. Mild odour, maintain a good production environment in the workshop. Non-toxic, does not contain additives such as sulphur and chlorine, safe and environmentally friendly.	Suitable for light to medium duty stamping of brass and phosphorus bronzes. Recommended for high speed cutting and stamping small metal parts, such as air conditioners, cooling devices, electronic components, electrical equipment, computer components	Colourless clear liquid
<b>S-801</b>	Low viscosity, rapid evaporation, effective cooling. No residue, eliminate the cleaning process, improve the production efficiency. Superior anti-rust and forming performance prevent metal corrosion effectively. Free of chlorine and active sulphur, friendly to environment.	Particularly designed for high speed stamping and cutting processes. Especially suitable for cutting and stamping copper. Suitable for high speed cutting and stamping small metal parts, such as electronic components, electrical equipment, computer components.	Colourless clear liquid
<b>S-802</b>	Rapid evaporation, no residue. Excellent lubricity. No corrosion for aluminium, copper and zinc. Free of chlorine, active sulphur and silicone compounds. Good welding and painting properties after basic evaporation under natural conditions.	It is suitable for lubrication of high speed stamping (~300 times /min). It is suitable for high speed blanking aluminium fin of air conditioner.	Colourless clear liquid
<b>S-803</b>	Low viscosity, rapid evaporation, effective cooling. Superior anti-rust and forming performance, no corrosion for aluminium, copper and zinc. Excellent compatibility with pre-coated layer of aluminium fin. Excellent lubricity .	Designed for high speed blanking aluminium fin of air conditioner and bending, cutting, counter boring of copper tube	Colourless clear liquid
<b>S-804</b>	Outstanding anti-rust performance meets the requirements of long term anti-rust protection. Oil film is not oxidized, and work-piece is easy to clean. Non-toxic, free of chlorine and active sulphur.	Recommended for clean blanking and rust prevention of cold galvanized sheet and silicon steel sheet. In line with the standard of U.S. motor industry	Yellow clear liquid
<b>S-806</b>	Low viscosity, rapid evaporation, effective cooling and good lubricity. Superior anti-rust performance prevents metal corrosion effectively. Mild odour maintains good work environment. Low residue.	Suitable for light duty stamping, cutting and punching of ferrous and non-ferrous metals. For the work-piece which is packed immediately after stamping, particularly suitable for the process that is unable or need not cleaning. Suitable for forming and production of electric appliances and audiovisual equipment.	Colourless clear liquid



Item	Characteristics	Machining Processes & Materials	Appearance
<b>S-806L</b>	Outstanding lubricity extends the service life of tools and surface finish of work-pieces. Low viscosity, rapid evaporation, effective cooling and low residue. Superior anti-rust performance prevents metal corrosion effectively. Mild odour.	It is specifically for stamping, cutting and punching of ferrous and non-ferrous metal. Particularly suitable for forming and production of electric appliances and audiovisual equipment.	Colourless clear liquid
<b>S-806X</b>	Heavy-duty stamping oil. Improve the efficiency of high-speed cutting, stamping, punching, improving the surface finish of the work-piece and greatly extend the tool life. Excellent lubrication performance. High flash point, safe to use.	Specially used for medium-load cutting, punching and blanking of ferrous and non-ferrous metals (thickness not exceeding 1mm). It is particularly suitable for stamping of motor sheets, which can improve the finish of the work-piece and greatly extend the life of the tool.	Brown clear liquid
<b>S-807</b>	Excellent lubricity and extreme pressure properties extend the service life of tools and surface finish of work-pieces effectively. Low viscosity, rapid evaporation, effective cooling. Superior antirust performance prevents metal corrosion effectively.	It is designed for medium duty stamping and cutting (thickness is not exceeding 1mm) of stainless steel, electrolytic sheet, brass, phosphor bronze and other high strength materials and for other stamping operations.	Light yellow clear liquid
<b>S-808 / S-808R</b>	Medium duty stamping oil. Low viscosity, rapid evaporation, effective cooling. Excellent lubricity extends the service life of tools and surface finish of work-pieces. Low residue, eliminate the cleaning process, improving the production efficiency.	Particularly designed for stamping and cutting (thickness is not exceeding 0.7mm) stainless steel, brass, phosphor bronze and other difficult to process materials. It is suitable for high speed cutting and stamping small metal parts, such as cooling devices and electronic components, etc.	S-808 Colourless clear liquid  S-808R Light orange clear liquid
<b>S-810</b>	Low viscosity, rapid evaporation, effective cooling. Excellent lubricity extends the service life of tools and surface finish of work-pieces. Superior anti-rust and forming performance prevent metal corrosion.	It is suitable for light to medium duty stamping of brass and phosphorus bronze. It can be applied for cutting steel sheet which has the thickness not exceeding 0.5mm. Recommended for high speed cutting and stamping small metal parts.	Colourless clear liquid
<b>S-886</b>	It can enhance the efficiency of cutting and stamping process, improving the surface finish of work-pieces. Excellent extreme pressure performance extends the service life of tools.	It is particularly designed for medium duty processes of ferrous metals (thickness not exceeding 1mm), such as cutting off, punching and blanking, etc.	Yellow clear liquid

# JAEGER SWISS-TYPE LATHE OILS

The series has the following advantages

- Low oil mist, safe and environmentally friendly.
- High flash point, safer to use.
- Excellent lubricity, extreme pressure and anti-wear properties.
- Applicable to various materials and processing techniques.

Item	Characteristics	Machining Processes & Materials	Appearance
<b>JAEGER 319</b>	Free of chlorine, phosphorus and zinc, friendly to the environment. Excellent anti-wear and extreme pressure properties.	It is suitable for turning, milling, drilling, boring, reaming, tapping and various machining operations of ferrous metals, such as stainless steel, alloy steel, carbon steel, cast iron and so on. It is also recommended for machining titanium alloys.	Yellow clear liquid
<b>JAEGER 328</b>	Good lubricity and extreme pressure properties. Moderate viscosity, beneficial to harsh processing with rapid heat dissipation.	Recommended for drilling, threading, tapping, turning and other heavy duty operations. Suitable for medium strength ferrous metals, especially recommended for stainless steel parts machining of mobile phones and watch accessories.	Yellow clear liquid
<b>JAEGER 329</b>	Good lubricity and extreme pressure properties.	Designed for medium to heavy duty machining of ferrous metals, as well as copper and aluminium alloys. It is good for milling and planing processes where the feed rate is large and the surface finish is not demanding. Also for drilling, threading, tapping, turning and other heavy duty operations.	Yellow clear liquid



# JAEGER TOOLCARE GRINDING OILS

Item	Characteristics	Machining Processes	Materials
<b>JAEGER 618</b>	A low-viscosity high-efficiency grinding fluid. With outstanding lubricity, cooling performance, and chip sedimentation properties which effectively extends wheel life and improves surface finish of work-piece.	It is suitable for surface grinding, internal and external cylindrical grinding, profile grinding, end face grinding and other grinding processes of carbon steel, hard steel, high-speed steel, stainless steel, hard alloy and other ferrous metals.	Suitable for light to medium load machining of ferrous metals, specially designed for grinding of cemented carbides such as tungsten carbide, effectively preventing cobalt precipitation.
<b>JAEGER 619</b>	A low viscosity pure oil cutting fluid that does not contain chlorine or sulfur. It has excellent lubricity and extreme pressure properties. It effectively prolongs tool life and improves work-piece surface finish.	Turning and milling, honing and super-grinding with excellent finishing, etc.	It is used for glass, graphite processing, non-ferrous metals and ferrous metals. It can also be used for grinding, drilling and general processing of metals such as aluminium and copper.
<b>JAEGER 650</b>	A low viscosity, high efficiency grinding fluid. Excellent lubricity, cooling and settling properties, helping to provide higher machining rates. Effectively extends grinding wheel life and improves work-piece surface finish. Lower odour.	It is suitable for surface grinding, internal and external cylindrical grinding, profile grinding, end face grinding and other grinding processes of carbon steel, quenched and tempered steel, high-speed steel, stainless steel, hard alloy and other ferrous metals.	Suitable for light to medium load machining of ferrous metals. Specially designed for grinding of tungsten carbide and other hard alloys to effectively prevent cobalt precipitation.







Wechat

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