



Straight Oils Selection Guide

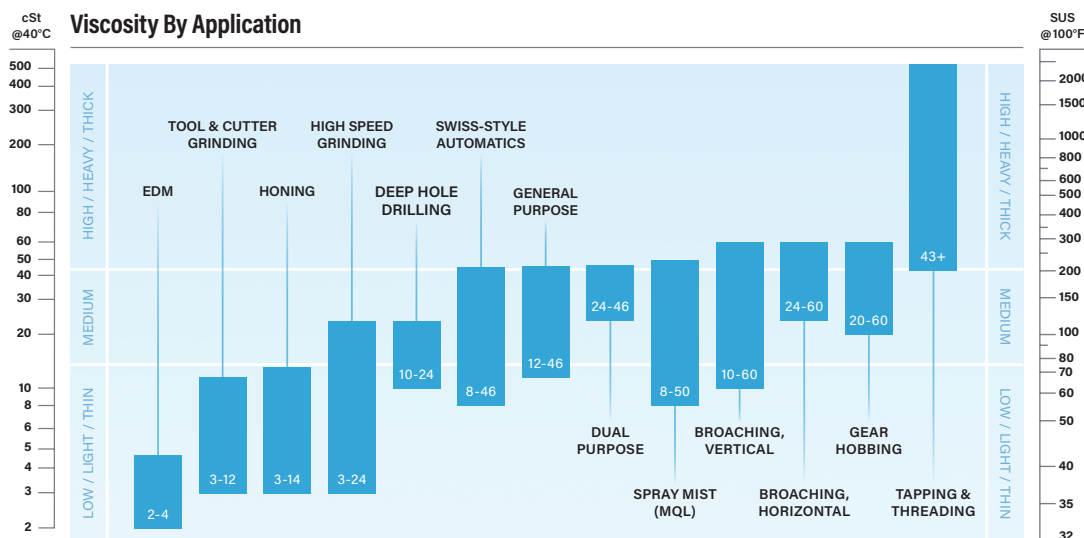
Advanced Vegetable & Synthetic Series

Premium Synthetic & Petroleum Series

Select Petroleum Series



ISO 9001:2015



The typical viscosity range for each application above is reported as cSt@40°C.

How to Select a Straight Oil

1. Identify the existing conditions, i.e. machines, applications and materials, and any special considerations, such as high pressure and filtration.
2. Decide which base oil and additive technologies are needed to meet your machining objectives.
3. Determine the viscosity needed. Viscosity is one of the most important physical characteristics when choosing a straight oil. It is important to differentiate which unit of measurement is being used. Two units of measurement are commonly used for reporting viscosity:

- Centistokes (cSt) measured at 40°C
- Saybolt Universal Seconds (SUS) measured at 100°F

How to Use the QualiChem Straight Oil Selection Guide

1. Locate your application in the first column.
2. Find the material(s) you are machining in the top row.
3. From the section where the above two criteria intersect, determine which series of oils is best suited for your needs.
4. Select a product from the series with the appropriate viscosity.

This guide is meant to be used for general purposes only. To determine the best oil for your application, please contact your local QualiChem Distributor or QualiChem Sales Engineer.

Not all product types pictured to the right are detailed in this brochure. In addition to Straight Oils, QualiChem offers a complete line of Coolants, Cleaners, and Corrosion Inhibitors.

Selecting the Right Oil for Your Application

With QualiChem's expertise in oil technology, rest assured you are using the correct oil for your application, and gaining maximum machining productivity. Our experienced engineers can tell you which characteristics are best suited for all combinations of materials, machines, processes and other special considerations.



Innovative Straight Oil Technology

QualiChem delivers the power of innovative technology and advanced additive chemistry to your straight oil cutting and grinding operations. We offer a comprehensive range of straight oils to meet your machining needs. To aid in your selection, our oils are categorized into three product series distinguished by the base oil and additive technologies used.



Advanced Vegetable & Synthetic Series

Our Advanced vegetable oil and synthetic based straight oils are formulated with ultra-high performance additive technology.

EQO-MAX	Cutting Oils
EQO-GRIND	Grinding & Surface Finishing Oils
EQO-HONE	Honing Oils
EQO-MIST	Spray Mist Lubricants (MQL)
QUICKTAP	Tapping Fluid

QualiChem uses the latest in synthetic technology, including esters, PAO's, Gas-to-Liquids (GTL), and other engineered non-petroleum base stocks. These unique synthetic and vegetable-derived base stocks provide enhanced boundary lubrication during the metal removal process. Our Advanced oils have many of the same benefits as our Premium oils, in addition to offering:

- Extremely low odor and light color
- Ideal oxidative resistance
- Excellent machining performance
- Extended service life

Premium Synthetic & Petroleum Series

Our Premium synthetic and petroleum based straight oils are formulated with the newest additive technologies and the best time-tested components.

XTREME CUT	Precision Machining & Turning Oils
XTREME DRILL	Gun Drilling & Deep Hole Drilling Oils
XTREME GRIND	Grinding & Finishing Oils
XTREME HONE	Honing & Super Finishing Oils
XTREME BROACH	Broaching (Vertical & Horizontal)

QualiChem's XTREME branded oils, including several GTL options, are the result of extensive research and development incorporating the best available lubrication technology for each operation.

- Extraordinary cutting and grinding performance
- Extremely low odor and light color
- Exceptional cleanliness on both machine tools and parts
- Increased feeds and speeds to maximize productivity and reduce cycle time
- Metal specific designs to avoid staining and corrosion

Select Petroleum Series

Our Select petroleum based straight oils are formulated with traditional additive technology.

MET-CUT	Machining & Turning Oils
MET-DRILL	Gun Drilling & Deep Hole Drilling Oils
MET-GRIND	Grinding Oils
Q-HONE	Honing Oils

QualiChem's Q and MET branded oils provide a nice balance between performance and price.

- Cost effective machining performance
- Proven, reliable additive technology
- Highly refined, virgin base stocks
- Multi-metal, non-staining formulations available

Cutting Oil Selection Guide

■ Advanced Series ■ Premium Series ■ Select Series

ISO MATERIAL DESIGNATION ►	N NON-FERROUS			P UNALLOYED & ALLOYED STEELS						M STAINLESS STEELS			S HEAT RESISTANT ALLOYS		
Application Typical viscosity range	Non-Ferrous (Aluminum, Copper, Brass, Magnesium)			Carbon Steels (1018, 1137, 1215)			High-Carbon & Alloy Steels (4140, 8620, 52100)			Stainless Steel (304, 316, 17-4 PH, 13-8PH)			Exotic & Super Alloys (Titanium, Inconel, Haynes, A286)		
	PRODUCT	cSt	SUS	PRODUCT	cSt	SUS	PRODUCT	cSt	SUS	PRODUCT	cSt	SUS	PRODUCT	cSt	SUS
Swiss-Style Automatics, Precision CNC Machining 52-200 SUS @ 100°F 8-42 cSt @ 40°C	EQO-MAX 714	10	60 △	EQO-MAX 714	10	60 △	EQO-MAX 714	10	60 △	EQO-MAX 764LV	13	70 △	EQO-MAX 764LV	13	70 △
	EQO-MAX 764LV	13	70 △	EQO-MAX 764LV	13	70 △	EQO-MAX 764LV	13	70 △	EQO-MAX 759	21	102 ○△	EQO-MAX 759	21	102 ○△
	EQO-MAX 712MM	24	120 △	EQO-MAX 716	22	106 △	EQO-MAX 716	22	106 △	EQO-MAX 712C	24	115 ○▲	EQO-MAX 712C	24	115 ○▲
	EQO-MAX 716CSF	25	128	EQO-MAX 712	28	138 ▲	EQO-MAX 712	28	138 ▲	XTREME CUT 719S	15	77 △	XTREME CUT 738	14	74 ○△
	XTREME CUT 719S	15	77 △	XTREME CUT 735S	21	102 ○△	XTREME CUT 757	18	90 ○△	XTREME CUT 757	18	90 ○△	XTREME CUT 719S	15	77 △
	XTREME CUT 719H	24	123 △	XTREME CUT 764CF	32	150 △	XTREME CUT 746LV	18	90 ▲	XTREME CUT 746LV	18	90 ▲	XTREME CUT 746LV	18	90 ▲
	XTREME CUT 764CF	32	150 △	MET-CUT 730	12	66 ▲	XTREME CUT 735S	21	102 ○△	XTREME CUT 719H	24	123 △	XTREME CUT 719H	24	123 △
	MET-CUT 729	12	66	MET-CUT 733S	16	82 ○△	MET-CUT 761	28	132 ○△	XTREME CUT 758	31	146 ○△	XTREME CUT 758	31	146 ○△
General Purpose, Machining & Turning 66-214 SUS @ 100°F 12-46 cSt @ 40°C	MET-CUT 734	22	106 △	MET-CUT 760	27	128 △	MET-CUT 755HD	29	137 ○△	MET-CUT 755HD	29	137 ○△	MET-CUT 755HD	29	137 ○△
	EQO-MAX 716	22	106 △	EQO-MAX 716	22	106 △	EQO-MAX 716	22	106 △	MET-CUT 770	30	142 ▲	MET-CUT 770	30	142 ▲
	EQO-MAX 710	35	165	EQO-MAX 712C	24	115 ○▲	EQO-MAX 712C	24	115 ○▲	EQO-MAX 716	22	106 △	EQO-MAX 716	22	106 △
	XTREME CUT 719S	15	77 △	EQO-MAX 712	28	138 ▲	EQO-MAX 712	28	138 ▲	EQO-MAX 712C	24	115 ○▲	EQO-MAX 712C	24	115 ○▲
	XTREME CUT 735S	21	102 ○△	XTREME CUT 757	18	90 ○△	XTREME CUT 757	18	90 ○△	EQO-MAX 712	28	138 ▲	EQO-MAX 712	28	138 ▲
	XTREME CUT 764CF	32	150 △	XTREME CUT 735S	21	102 ○△	XTREME CUT 735S	21	102 ○△	XTREME CUT 757	18	90 ○△	XTREME CUT 757	18	90 ○△
	MET-CUT 753	14	74	XTREME CUT 764CF	32	150 △	XTREME CUT 764CF	32	150 △	XTREME CUT 735S	21	102 ○△	XTREME CUT 735S	21	102 ○△
	MET-CUT 734	22	106 △	MET-CUT 730	12	66 ▲	MET-CUT 733S	16	82 ○△	XTREME CUT 764CF	32	150 △	XTREME CUT 764CF	32	150 △
Dual Purpose, Multi- & Single-Spindle Automatics 115-214 SUS @ 100°F 24-46 cSt @ 40°C	MET-CUT 747	28	142 △	MET-CUT 733S	16	82 ○△	MET-CUT 755HD	29	137 ○△	MET-CUT 733S	16	82 ○△	MET-CUT 733S	16	82 ○△
	MET-CUT 773	42	210 ○△	MET-CUT 746	26	124 ▲	MET-CUT 773	42	210 ○△	MET-CUT 755HD	29	137 ○△	MET-CUT 755HD	29	137 ○△
	EQO-MAX 710	35	165	EQO-MAX 710	35	165	EQO-MAX 710	35	165	MET-CUT 773	42	210 ○△	MET-CUT 773	42	210 ○△
	XTREME CUT 764CF	32	150 △	XTREME CUT 764CF	32	150 △	XTREME CUT 764CF	32	150 △	EQO-MAX 710	35	165	EQO-MAX 710	35	165
	MET-CUT 747	28	142 △	MET-CUT 747	28	142 △	MET-CUT 747	28	142 △	XTREME CUT 764CF	32	150 △	XTREME CUT 764CF	32	150 △
	MET-CUT 773	42	210 ○△	MET-CUT 773	42	210 ○△	MET-CUT 773	42	210 ○△	MET-CUT 747	28	142 △	MET-CUT 747	28	142 △
	EQO-MAX 710	35	165	EQO-MAX 710	35	165	EQO-MAX 710	35	165	MET-CUT 773	42	210 ○△	MET-CUT 773	42	210 ○△
	XTREME CUT 764CF	32	150 △	XTREME CUT 764CF	32	150 △	XTREME CUT 764CF	32	150 △	EQO-MAX 710	35	165	EQO-MAX 710	35	165
Gun Drilling & Deep Hole Drilling 59-122 SUS @ 100°F 10-24 cSt @ 40°C	EQO-MAX 714	10	60 △	EQO-MAX 710	35	165	EQO-MAX 710	35	165	EQO-MAX 710	35	165	EQO-MAX 710	35	165
	XTREME CUT 719L	10	60 △	XTREME CUT 764CF	32	150 △	XTREME CUT 764CF	32	150 △	XTREME CUT 764CF	32	150 △	XTREME CUT 764CF	32	150 △
	XTREME CUT 757	18	90 ○△	MET-CUT 747	28	142 △	MET-CUT 747	28	142 △	XTREME CUT 747	28	142 △	XTREME CUT 747	28	142 △
	MET-CUT 729	12	66	MET-CUT 773	42	210 ○△	MET-CUT 773	42	210 ○△	MET-CUT 773	42	210 ○△	MET-CUT 773	42	210 ○△
Broaching, Vertical 59-310 SUS @ 100°F 10-60 cSt @ 40°C	EQO-MAX 714	10	60 △	EQO-MAX 759	21	102 ○△	EQO-MAX 759	21	102 ○△	EQO-MAX 759	21	102 ○△	EQO-MAX 759	21	102 ○△
	XTREME CUT 719L	10	60 △	XTREME DRILL 741	14	74 ○▲	XTREME DRILL 741	14	74 ○▲	EQO-MAX 759	21	102 ○△	EQO-MAX 759	21	102 ○△
	XTREME CUT 757	18	90 ○△	XTREME DRILL 744S	20	98 ○▲	XTREME DRILL 744S	20	98 ○▲	XTREME DRILL 741	14	74 ○▲	XTREME DRILL 741	14	74 ○▲
	MET-CUT 729	12	66	XTREME DRILL 740L	12	66 ○▲	XTREME DRILL 740L	12	66 ○▲	XTREME DRILL 744S	20	98 ○▲	XTREME DRILL 744S	20	98 ○▲
	MET-CUT 753	14	74	MET-DRILL 740	14	74 ○▲	MET-DRILL 740	14	74 ○▲	XTREME DRILL 740L	12	66 ○▲	XTREME DRILL 740L	12	66 ○▲
	EQO-MAX 713	22	106 △	EQO-MAX 713	22	106 △	EQO-MAX 713	22	106 △	MET-DRILL 740	14	74 ○▲	MET-DRILL 740	14	74 ○▲
	XTREME CUT 764CF	32	150 △	XTREME CUT 735S	21	102 ○△	EQO-MAX 759	21	102 ○△	EQO-MAX 712C	24	115 ○▲	EQO-MAX 712C	24	115 ○▲
	MET-CUT 752	24	115	XTREME BROACH S	27	128 ○	EQO-MAX 712C	24	115 ○▲	EQO-MAX 712C	24	115 ○▲	EQO-MAX 712C	24	115 ○▲
Broaching, Horizontal 115-310 SUS @ 100°F 24-60 cSt @ 40°C	MET-CUT 773	42	210 ○△	XTREME CUT 764CF	32	150 △	XTREME BROACH S	27	128 ○	XTREME BROACH S	27	128 ○	XTREME BROACH S	27	128 ○
	EQO-MAX 715	42	196 △	MET-CUT 775	60	310 △	XTREME CUT 758	31	146 ○△	XTREME CUT 758	31	146 ○△	XTREME CUT 758	31	146 ○△
	XTREME CUT 764CF	32	150 △	EQO-MAX 715HD	42	196 ○△	XTREME CUT 764CF	32	150 △	XTREME CUT 764CF	32	150 △	XTREME CUT 764CF	32	150 △
	MET-CUT 775	60	310 △	XTREME BROACH S	27	128 ○	MET-CUT 755HD	29	137 ○△	XTREME CUT 758	31	146 ○△	XTREME CUT 758	31	146 ○△
	EQO-MAX 715HD	42	196 ○△	XTREME CUT 764CF	32	150 △	XTREME CUT 778	55	256 ▲	XTREME CUT 764CF	32	150 △	XTREME CUT 764CF	32	150 △
	XTREME CUT 764CF	32	150 △	MET-CUT 776	52	265 ○△	MET-CUT 772	48	245 ○▲	XTREME CUT 778	55	256 ▲	XTREME CUT 778	55	256 ▲
	MET-CUT 775	60	310 △	EQO-MAX 715HD	42	196 ○△	XTREME CUT 772	48	245 ○▲	MET-CUT 772	48	245 ○▲	MET-CUT 772	48	245 ○▲
	EQO-MAX 715HD	42	196 ○△	XTREME BROACH S	27	128 ○	XTREME CUT 772	48	245 ○▲	MET-CUT 772	48	245 ○▲	MET-CUT 772	48	245 ○▲
EDM	XTREME CUT EDM	3.3	37	XTREME CUT EDM	3.3	37	XTREME CUT EDM	3.3	37	XTREME CUT EDM	3.3	37	XTREME CUT EDM	3.3	37

○ Contains Chlorine △ Contains Inactive Sulfur ▲ Contains Active Sulfur

Cutting Oil Selection Guide continued

■ Advanced Series ■ Premium Series ■ Select Series

ISO MATERIAL DESIGNATION ►	N NON-FERROUS			P UNALLOYED & ALLOYED STEELS						M STAINLESS STEELS			S HEAT RESISTANT ALLOYS		
Application Typical viscosity range	Non-Ferrous (Aluminum, Copper, Brass, Magnesium)			Carbon Steels (1018, 1137, 1215)			High-Carbon & Alloy Steels (4140, 8620, 52100)			Stainless Steel (304, 316, 17-4 PH, 13-8PH)			Exotic & Super Alloys (Titanium, Inconel, Haynes, A286)		
	PRODUCT	cSt	SUS	PRODUCT	cSt	SUS	PRODUCT	cSt	SUS	PRODUCT	cSt	SUS	PRODUCT	cSt	SUS
Gear Hobbing, Shaping, Shaving 98-310 SUS @ 100°F 20-60 cSt @ 40°C	EQO-MAX 710	35	165	EQO-MAX 712C	24	115 ○▲	EQO-MAX 712C	24	115 ○▲	EQO-MAX 712C	24	115 ○▲	EQO-MAX 712C	24	115 ○▲
	XTREME CUT 766	41	191 ○△	XTREME CUT 758	31	146 ○△	XTREME CUT 758	31	146 ○△	XTREME CUT 758	31	146 ○△	EQO-MAX 715HD	42	196 ○△
	MET-CUT 775	60	310 △	XTREME CUT 778	55	256 ▲	XTREME CUT 766	41	191 ○△	XTREME CUT 766	41	191 ○△	XTREME CUT 758	31	146 ○△
				MET-CUT 771	27	128 ○▲	XTREME CUT 778	55	256 ▲	XTREME CUT 778	55	256 ▲	XTREME CUT 778	55	256 ▲
				MET-CUT 776	52	265 ○△	MET-CUT 772	48	245 ○▲	MET-CUT 772	48	245 ○▲	MET-CUT 772	48	245 ○▲
							MET-CUT 776	52	265 ○△	MET-CUT 776	52	265 ○△	MET-CUT 776	52	265 ○△
Spray Mist Lubricants (MQL) 52-233 SUS @ 100°F 8-50 cSt @ 40°C	EQO-MIST 703	8	53	EQO-MIST 706	25	119	EQO-MIST 706	25	119	EQO-MIST 706	25	119	EQO-MIST 706	25	119
	EQO-MIST 706	25	119	EQO-MAX 710	35	165	EQO-MAX 710	35	165	EQO-MAX 710	35	165	EQO-MAX 710	35	165
	EQO-MAX 710	35	165	EQO-MAX 718	40	186 △	EQO-MAX 718	40	186 △	EQO-MAX 718	40	186 △	EQO-MAX 718	40	186 △
	EQO-MIST 705E	48	223	EQO-MIST 705E	48	223	EQO-MIST 705E	48	223	EQO-MIST 705E	48	223	EQO-MIST 705E	48	223
Tapping & Threading	QUICKTAP	520	2800 ○△	QUICKTAP	520	2800 ○△	QUICKTAP	520	2800 ○△	QUICKTAP	520	2800 ○△	QUICKTAP	520	2800 ○△
	QUICKTAP CF	520	2800 △	QUICKTAP CF	520	2800 △	XTREME CUT 778	55	256 ▲	XTREME CUT 778	55	256 ▲	XTREME CUT 778	55	256 ▲
	MET-CUT 775	60	310 △	XTREME CUT 778	55	256 ▲	MET-CUT 772	48	245 ○▲	MET-CUT 772	48	245 ○▲	MET-CUT 772	48	245 ○▲
				MET-CUT 775	60	310 △	MET-CUT 779	203	1100 ○△	MET-CUT 779	203	1100 ○△	MET-CUT 779	203	1100 ○△

Grinding & Honing Oil Selection Guide

ISO MATERIAL DESIGNATION ►	H HARD MATERIALS			S HEAT RESISTANT ALLOYS			N NON-FERROUS		
Application Typical viscosity range	Carbide, Tungsten			High-Speed Steel			Exotic & Super Alloys (Titanium, Inconel, Haynes, A286)		
	PRODUCT	cSt	SUS	PRODUCT	cSt	SUS	PRODUCT	cSt	SUS
Tool, Cutter & Insert Grinding 36-66 SUS @ 100°F 3-12 cSt @ 40°C	EQO-GRIND 720CGS	4	39	EQO-GRIND 720CGS	4	39	Not applicable.		
	EQO-GRIND 721CGS	7	49	EQO-GRIND 721CGS	7	49			
	EQO-GRIND 732S	10	60	EQO-GRIND 732S	10	60			
	XTREME GRIND TS	3	35	XTREME GRIND TS	3	35			
High Speed Grinding 36-122 SUS @ 100°F 3-24 cSt @ 40°C	EQO-GRIND 720CGS	4	39	EQO-GRIND 720CGS	4	39	EQO-GRIND 720CG	5	42
	EQO-GRIND 721CGS	7	49	EQO-GRIND 721CGS	7	49	EQO-GRIND 732S	10	60
	EQO-GRIND 732S	10	60	EQO-GRIND 732S	10	60	XTREME GRIND 726S	11	62 △
	XTREME GRIND TS	3	35	XTREME GRIND TS	3	35	XTREME GRIND 750S	11	62 △
				XTREME GRIND 726S	11	62 △	XTREME GRIND 750S	11	62 △
				XTREME GRIND 727S	24	122 ▲	XTREME CUT 727S	24	122 ▲
				MET-GRIND 750	11	62 △	MET-GRIND 750	11	62 △
Honing 36-74 SUS @ 100°F 3-14 cSt @ 40°C	Not applicable.			EQO-HONE 791S	7	49	EQO-HONE 791S	7	49
				EQO-HONE 793S	8	52 △	EQO-HONE 793S	8	52 △
				XTREME HONE 790S	4	39	XTREME HONE 790S	4	39
				XTREME HONE 785S	7	49	XTREME HONE 785S	7	49
				Q-HONE 780	3.5	38 ○	Q-HONE 780	3.5	38 ○
				Q-HONE 782	13	70 ▲	Q-HONE 782	13	70 ▲

○ Contains Chlorine △ Contains Inactive Sulfur ▲ Contains Active Sulfur

GAS-TO-LIQUID OILS

Our New Cutting Edge

QualiChem was the first US-based blender to utilize Gas-to-Liquid (GTL) technology to create cutting and grinding oils. We now offer over 20 different GTL-based oils in a variety of viscosities and additive packages for use in Swiss-style automatics; tool grinding; high speed milling, drilling and tapping centers; and numerous other machining, turning and grinding operations.

GTL oils are synthesized from natural gas. They are extremely pure. GTLs are free from the typical contaminants found in crude oil, such as aromatics, nitrogen, heavy metals and sulfur. These colorless and virtually odorless oils deliver an ideal array of benefits at a competitive price as compared to the other synthetic oils on the market.

- High relative flash points in all viscosities
- Excellent foam control and quick release of entrained air
- Low evaporation and low volatility reducing consumption
- Low misting and low odors improving workplace conditions
- Superior oxidative stability keeping machines running clean

■ Advanced Series ■ Premium Series ■ Select Series

RECOMMENDED GTL OILS

PRODUCT / DESCRIPTION	METAL USE	VISCOSITY		FLASH POINT		CONTAINS
		cSt	SUS	°C	°F	

PREMIUM SERIES: XTREME CUT 719 SERIES

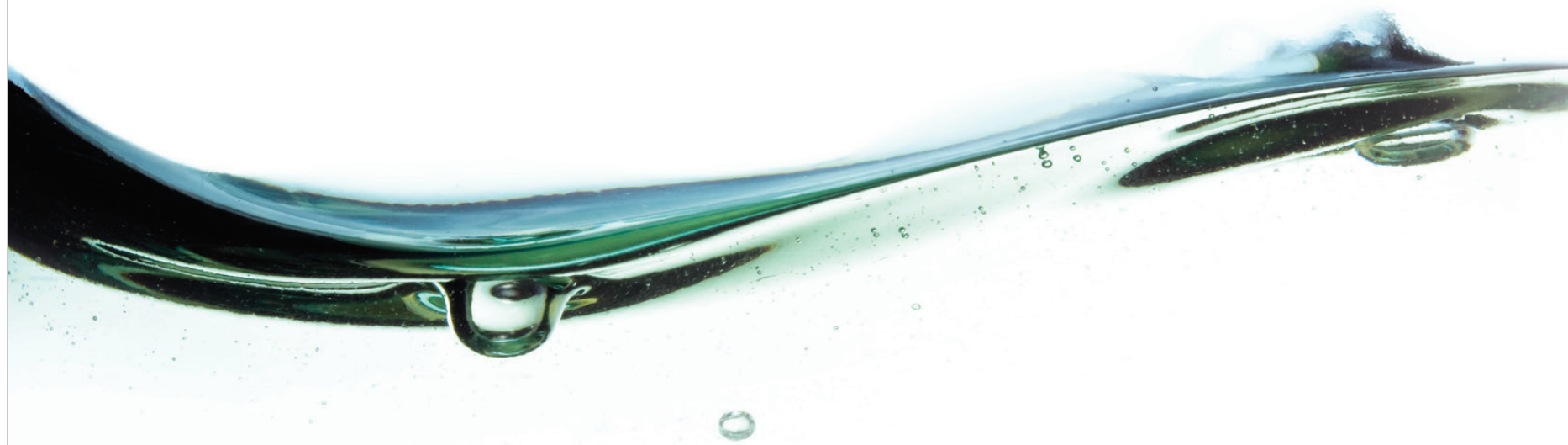
Our XTREME CUT 719 Series of Gas-to-Liquid oils are designed to offer the medical and aerospace industries a flexible platform of oils that are exceptionally clean, free of animal fats, and halogenated additives. Each 719 oil differs only by viscosity, allowing the most ideal selection for each type of machine tool. Safe for titanium, exotics, stainless steels and aluminums.

XTREME CUT 719H Medium viscosity, ideal for larger diameter automatic turning as well as CNC milling, drilling and tapping	Multi-Metal	24	123	213 °C	415 °F	△
XTREME CUT 719S Low viscosity, perfect for Swiss turning, thread whirling, and mill-turn applications	Multi-Metal	15	77	191 °C	375 °F	△
XTREME CUT 719L Very low viscosity, especially suitable for high pressure, deep hole drilling, gun drilling and small part work	Multi-Metal	10	60	171 °C	340 °F	△

○ Contains Chlorine

△ Contains Inactive Sulfur

▲ Contains Active Sulfur



RECOMMENDED GTL OILS CONTINUED						
PRODUCT / DESCRIPTION	METAL USE	VISCOSITY		FLASH POINT		CONTAINS
		cSt	SUS	°C	°F	
PREMIUM SERIES						
XTREME CUT 735S Multi-purpose Swiss-style screw machine oil, fortified with EP additives and suitable for all material types	Multi-Metal	21	102	177 °C	350 °F	○ △
XTREME CUT 735S-CF Chlorine-free multi-purpose Swiss-style screw machine oil, compatible with all modern machine designs and materials	Multi-Metal	21	102	218 °C	425 °F	△
XTREME CUT 742S Low viscosity, highly fortified oil ideal for use in Swiss automatics on automotive steels, alloy steels, stainless steels, and nickel alloys	Ferrous Only	14	76	179 °C	355 °F	○ ▲
XTREME DRILL 744S Medium viscosity oil for deep hole and gun drilling on automotive steels, alloy steels, stainless steels, and nickel alloys	Ferrous Only	20	98	171 °C	340 °F	○ ▲
XTREME GRIND 750S Versatile grinding oil, suitable for most grinding operations including form, flute, creep feed, centerless, and surface grinding	Multi-Metal	11	62	193 °C	380 °F	△
XTREME GRIND TS Ultra-pure, ideal for grinding applications that include sub-2 micron filtration systems	Multi-Metal	3	35	136 °C	277 °F	
XTREME CUT EDM Perfect for EDM systems that utilize sub-5 micron filtration	Multi-Metal	3.3	37	135 °C	275 °F	

○ Contains Chlorine △ Contains Inactive Sulfur ▲ Contains Active Sulfur

RECOMMENDED GTL OILS CONTINUED						
PRODUCT / DESCRIPTION	METAL USE	VISCOSITY		FLASH POINT		CONTAINS
		cSt	SUS	°C	°F	
ADVANCED SERIES						
EQO-MAX 712MM Versatile viscosity, combining both GTL and vegetable oils	Multi-Metal	24	120	191 °C	375 °F	△
EQO-MAX 731S Low viscosity, free of chlorine and sulfur	Multi-Metal	12	72	193 °C	380 °F	
EQO-GRIND 720CGS Very low viscosity grinding oil, ideal for 1 micron filtration systems	Multi-Metal & Carbide	4	39	135 °C	275 °F	
EQO-GRIND 732S Versatile, low viscosity grinding oil	Multi-Metal & Carbide	10	60	191 °C	375 °F	
EQO-HONE 793S Ultra clean, low odor oil for use in honing, finish grinding, rough grinding, and super finishing applications	Multi-Metal	8	52	168 °C	335 °F	△
SELECT SERIES						
MET-CUT 754 GTL-enhanced traditional cutting oil suitable for turning and machining operations	Multi-Metal	23	119	196 °C	385 °F	△

Please refer to each product's data sheet for full details and intended uses.

Please contact your local QualiChem Distributor or QualiChem Sales Engineer to determine the best oil for your application.



QUALICHEM

Metalworking Fluids

NORTH AMERICA

QualiChem, Inc. - USA

2003 Salem Industrial Drive
Salem, VA 24153
USA

Tel: +1 540 375 6700
Fax: +1 540 375 3880

www.qualichem.com

ISO 9001:2015

EUROPE

QualiChem, Inc. - Italy

Via San Giuseppe 41
20010 Marcallo con Casone (Milano)
ITALIA

Tel: +39 348 870 1574
+39 340 078 2881

ASIA

QualiChem Trading (Shanghai) Co. Ltd. - China

Room 514, HOW Office Building, No.1, Lane 2277,
Zuchongzhi Road, Pudong New District,
Shanghai, 201203, CHINA

Tel: +86 21 50191851/50191852
Fax: +86 21 50191020



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