

Blue Star Straight Oils Chart

Product	Viscosity	Oil	Type	Solvent	Defoamer	Flash Pt.	Chlorine	Sulfur Total	Sulfur Active	PAG	Ester	Phos	Calcium	Zinc	Moly	Comments
	SUS @ 100°F / cSt @ 40° C	%	*N/P/Soy/ Canola	%	Yes	°F	%	%	%	%	%	%	%	%	%	
Cutting Oils																
Star Cut 4820	202 / 43	88	P	N/A	N/A	375	1.5	3.0	1.2	N/A	7.0	N/A	N/A	N/A	N/A	multi-purpose, non staining
Star Cut 4821	200 / 44	71.5	Soy	N/A	Yes	400	N/A	N/A	N/A	N/A	6.0	3.8	N/A	N/A	N/A	threading, broaching, gear hobbing
Star Cut 4822	113 / 24	98	N	N/A	N/A	340	N/A	N/A	N/A	N/A	N/A	1.0	N/A	N/A	N/A	will not stain Cu
Star Cut 4823	110 / 23	98	N	N/A	N/A	365	N/A	N/A	N/A	N/A	N/A	1.0	N/A	N/A	N/A	non-staining, no leaching of Cu
Star Cut 4825	208 / 43	90	N	N/A	N/A	315	4.0	N/A	N/A	N/A	5.5	N/A	N/A	N/A	N/A	EP fortified, tapping, centerless
Star Cut 4826	78 / 15	82	P	N/A	N/A	375	3.0	5.0	2.0	N/A	10.0	N/A	N/A	N/A	N/A	lower viscosity, EP fortified
Star Cut 4827	145 / 31	85	P	N/A	N/A	375	7.0	1.5	0.6	N/A	6.0	N/A	N/A	0.5	N/A	EP fortified, vegetable ester
Star Cut 4828	42 / 5	98	N	N/A	Yes	275	N/A	N/A	N/A	N/A	1.0	N/A	N/A	N/A	N/A	Good surface finish Omni Grind V Cross
Star Cut 4829	110 / 23	85	N/P	N/A	N/A	385	10.0	N/A	N/A	N/A	5.0	N/A	N/A	N/A	N/A	Good surface finish Omni Grind O Cross
Star Cut 4830	75 / 14	98	P	N/A	N/A	365	1.0	1.0	0.4	N/A	N/A	N/A	N/A	N/A	N/A	Fe/ Stainless, deep hole, screw machines
Star Cut 4832	100 / 22	94	P	N/A	N/A	381	N/A	N/A	N/A	N/A	3.0	2.5	N/A	N/A	N/A	Broaching, gear hobbing, Chlorine free
Star Cut 4833	200 / 43	72	Soy	N/A	Yes	400	N/A	5.0	2.0	2.0	20.0	N/A	N/A	N/A	N/A	Soy based
Star Cut 4834	147 / 31	82	Canola	N/A	N/A	505	N/A	N/A	N/A	N/A	15.0	2.5	N/A	N/A	N/A	Canola based
Star Cut 4835	63 / 11	93	P	N/A	Yes	375	N/A	N/A	N/A	N/A	5.0	2.0	N/A	N/A	N/A	crossover- Hangsterfer 5518
Star Cut 4836	165 / 35	90	N/P	N/A	N/A	375	7.0	N/A	N/A	N/A	3.0	N/A	N/A	N/A	N/A	crossover- Hangsterfer 5418
Star Cut 4837	200 / 45	82	P	N/A	N/A	375	14.0	N/A	N/A	N/A	3.0	N/A	N/A	N/A	N/A	crossover- Hangsterfer 5318
Star Cut 4838	190 / 41	95	N	N/A	N/A	330	N/A	1.6	0.8	N/A	3.0	N/A	N/A	N/A	N/A	all metals, sulfur containing
Star Cut 4851	283 / 61	50	N	N/A	N/A	350	35.0	N/A	N/A	N/A	15.0	N/A	N/A	N/A	N/A	dual purpose
Grinding Oils																
Star Cut 4831	83 / 16	93	P	N/A	N/A	375	N/A	0.5	0.2	N/A	5.0	N/A	N/A	1.0	N/A	Chlorine-free, ester based=> ↑surface finish
Star Cut 4860	200 / 43	96	P	N/A	N/A	425	N/A	N/A	N/A	N/A	2.0	1.5	N/A	N/A	N/A	Form grinding
Tapping Oils																
Star Cut 4900	59 / 10.5	10	N	45	N/A	N/A	30.0	5.0	2.0	5.0	5.0	N/A	N/A	N/A	N/A	Tapping
Star Cut 4901	81 / 17.5	30	N	21	N/A	145	38.0	8.5	3.4	N/A	2.0	N/A	N/A	N/A	N/A	EP fortified tapping fluid
Gun Drill Oils																
Star Cut 4605	75 / 16	55	Soy	N/A	N/A	400	N/A	N/A	N/A	N/A	27	3.5	N/A	N/A	N/A	Chlorine free, vegetable based
Star Cut 4609	70 / 12	92	N	N/A	N/A	290	N/A	4.0	Yes	N/A	4.0	N/A	N/A	N/A	N/A	Chlorine free
Star Cut 4610	65 / 11	75	P	N/A	Yes	375	6.7	8.0	3.2	N/A	12.0	N/A	N/A	N/A	N/A	cutting, grinding, gundrill
Honing Oils																
Star Hone 4750	44 / 5.5	87	N	N/A	N/A	275	3.0	N/A	N/A	N/A	10.0	N/A	N/A	N/A	N/A	Chlorine containing
Star Hone 4753	50 / 7.3	20	Soy	N/A	N/A	400	N/A	10.0	3.0	2.0	67.0	2% PAG	N/A	N/A	N/A	Soy based
Star Hone 4756	39 / 4.0	88	N	N/A	N/A	275	N/A	8.0	2.5	2	2.0	2% PAG	N/A	N/A	N/A	Sulfur Containing
			*Naphthenic/ Paraffinic/ Soy/ Canola							Polyalkylene Glycol						