

## Viscosity, ASTM D445 (cSt) & ASTM D2270 (VI)

Brand	reported cSt @ 40C centi Stokes	reported cSt @ 100C centi Stokes	reported Viscosity Index (VI)	recalculated Viscosity Index (VI)	Viscosity Temperature Coefficient (VTC)	VT cSt @ 40C/cSt @ 100C
Shell Advance Fork 5 Stand 2011	15,00	3,80	153,00	152,00	0,75	3,95
Shell Advance Fork 7,5 Stand 2011	22,00	4,90	153,00	153,00	0,78	4,49
Shell Advance Fork 10 Stand 2011	32,00	6,40	153,00	158,00	0,80	5,00
Shell Advance Fork 15 Stand 2011	46,00	8,20	154,00	154,00	0,82	5,61
Shell Advance Fork 5 Stand 2009	33,00	7,10	185,00	186,00	0,78	4,65
Shell Advance Fork 7,5 Stand 2009	39,00	7,40	161,00	159,00	0,81	5,27
Shell Advance Fork 10 Stand 2009	67,00	10,40	120,00	144,00	0,84	6,44
Shell Advance Fork 15 Stand 2009	88,00	14,30	162,00	170,00	0,84	6,15
Liqui Moly Racing Fork Oil 5W light	17,20		120,00			
Liqui Moly Racing Fork Oil 10W medium	29,60		130,00			
Liqui Moly Racing Fork Oil 15W heavy	43,90		140,00			
Bel-Ray High Performance Fork Oil 2,5W	9,25					
Bel-Ray High Performance Fork Oil 5W	17,15					
Bel-Ray High Performance Fork Oil 7W	32,00					
Bel-Ray High Performance Fork Oil 10W	32,00					
Bel-Ray High Performance Fork Oil 15W	52,00					
Bel-Ray High Performance Fork Oil 20W	74,00					
Bel-Ray High Performance Fork Oil 30W	105,00					
Ravenol Fork Oil Ultra Light 2,5W	20,20	6,60		325,00	0,67	3,06
Ravenol Fork Oil Light 5W	20,20	6,60		325,00	0,67	3,06
Ravenol Fork Oil Medium 10W	33,00	6,60	160,00	161,00	0,80	5,00
Ravenol Fork Oil Heavy 15W	46,00	8,35	159,00	159,00	0,82	5,51
Ravenol Fork Oil Very Heavy 20W	68,00	11,20	157,00	159,00	0,84	6,07
Fuchs Titan ATF 3000	39,00	7,50	164,00	163,00	0,81	5,20
Motul Fork Oil Expert Light 5W	17,90	3,90	112,00	113,00	0,78	4,59
Motul Fork Oil Expert Medium 10W	35,90	6,00	112,00	111,00	0,83	5,98
Motul Fork Oil Expert Medium/Heavy 15W	57,10	8,30	116,00	116,00	0,85	6,88
Motul Fork Oil Expert Heavy 20W	77,90	10,10	111,00	112,00	0,87	7,71
Castrol Synthetic Fork Oil 2,5W	16,50	4,00	145,00	147,00	0,76	4,13
Red Lino (Like Water! Clear)	5,50	2,30	344,00	343,00	0,58	2,39
Red Line (Extra Light, Blue)	9,80	4,00	402,00	403,00	0,59	2,45
Spectro Golden (Ultra Light)	10,40	4,40	385,00	440,00	0,58	2,36
RockShox(2.5w Light Cartridge) (Torco 5)	10,75	4,00	325,00	340,00	0,63	2,69
Torco RFF 5	10,75	4,00	325,00	340,00	0,63	2,69
Bel-Ray HVI(3wt)	11,00	3,85	296,00	297,00	0,85	2,86
Kayaba (K2-C Shock)	11,30	4,00	310,00	310 00	0,65	2,83

Showa Suspension Fluid SS-25(2.5wt,Stock Shock,OEM)	12,50	3,90	239,00	239,00	0,69	3,21
Sllkolene Pro RSF (2.5wt)	13,60	5,83	464,00	465,00	0,57	2,33
Öhlins Shock Absorber Fluid No. 309 (#01306-01)	13,70					
Maxima Racing Shock Fluid (Light, 3wt)	14,00	5,20	378,00	370,00	0,63	2,69
Torco RSF Light (Purple)	14,50	4,70	288,00	286,00	0,68	3,09
PJ1 Cartridge Pro Fork Fluid (3.5wt)	14,60	3,60		134,00	0,75	4,06
Castrol Fork Oil (10 wt)	15,00	4,00	150,00	179,00	0,73	3,75
Motorex Racing Fork Oil (2.5W)	15,10	4,20	200,00			
Raoetech (Motorex) (Light US1)	15,20	4,40	222,00	226,00	0,71	3,45
Kawasaki (K1-L-15-10)	15,30					
Penske (Lightweight Shock Fluid)	15,50	6,30	434,00	434,00	0,59	2,46
Suzuki (Fork L01)	15,50					
Kayaba 01 (Zero-One Fork)	15,60	3,45	150,00	96,00	0,78	4,52
Yamaha 01 Fork Oil (Kayaba)	15,60	3,45	150,00	96,00	0,78	4,52
Showa Suspension Fluid SS-05 (Stock Fork, OEM)	15,68	3,60	116,00	113,00	0,77	4,36
Maxima Bicycle Fork Fluid (5wt)	15,90	3,51	150,00	98,00	0,78	4,53
Maxima Fork Oil (5wt)	15,90	3,51	150,00	98,00	0,78	4,53
Maxima Racing Fork Fluid (85/150, 5wt)	15,90	3,51	150,00	98,00	0,78	4,53
Motul Fork Oil (Very Light)?	16,00	3,50	100,00	95,00	0,78	4,57
RockShox (5w Medium, Hydracoil) (Torco 7)	16,10	5,05	285,00	280,00	0,69	3,19
Torco RFF 7	16,10	5,05	285,00	280,00	0,69	3,19
Motul Shock Oil (2.5-20)	16,10	6,20	400,00	403,00	0,61	2,60
Showa Suspension Fluid SS-7 (5wt)(Apollo)	16,44	3,76	135,00	119,00	0,77	4,37
Öhlins Front Fork Fluid (No 5, #1305-01)	16,50				0,28	
Suzuki (Fork W-15)	16,80					
Golden Spectro Cartridge Fork Fl.(85/150,Very Light)	16,90	3,82	150,00	119,00	0,77	4,42
Honda Pro HP Fork Oil (5wt)	17,00	3,80	140,00	115,00	0,78	4,47
Pro circuit PC-01	17,00	4,10		149,00	0,76	4,15
Bel-Ray Fork Oil (5wt)	17,10	4,10	146,00	147,00	0,76	4,17
Kayaba G5	17,70	3,50	72,00	72,00	0,80	5,06
Yamaha (Suspension G5)	17,70					
Kawasaki (Fork G5)	17,90					
Elf Moto Fork Oil SYN (2.5)	18,00	4,00	121,00	122,00	0,78	4,50
Motul Fork Oil, Comfort (Light, 5)	18,20	4,00	124,00	119,00	0,78	4,55
Motul Fork Oil, Factory Line (Light. 5)	18,30	4,20	138,00	138,00	0,77	4,36
Red Line (Light, Yellow)	18,40	7,10	407,00	409,00	0,61	2,59
Agip Fork (2.5wt)	18,50	4,37	152,00	153,00	0,76	4,23
Öhlins Front Fork Fluid (R&T 43, #1309-01)	19,00				0,32	
Bardahl (5w Fork Oil)	19,30	5,10	212,00	212,00	0,74	3,78
Bel-Ray HVI (5wt)	19,50	6,66	345,00	345,00	0,66	2,93
Torco RFF 10	19,90	5,70	260,00	256,00	0,71	3,49
Motul Fork Oil (Llght)??	20,00	6,00	260,00	280,00	0,70	3,33

Showa Suspension Fluid SS-15	20,07				0,33	
Spectre, SX "400"	20,90	8,90	400,00	460,00	0,57	2,35
Maxima Racing Shock Fluid (Medium, 7wt)	21,00	7,30	349,00	358,00	0,65	2,88
Spectro Fork Oil (5wt)	21,60	4,40	119,00	114,00	0,80	4,91
Agip Fork (5wt)	22,00	5,20	175,00	178,00	0,76	4,23
Öhlins Front Fork Fluid (No.10, #1 310-01)	22,00				0,37	
Silkolene Fork Oil (5wt)	22,30	4,40	106,00	107,00	0,80	5,07
Motul Fork Oil, Factory Line (Medium, 5-10)	22,30	6,20	254,00	253,00	0,72	3,60
Motorex Racing Fork Oil (5W)	22,60	5,60	200,00			
Elf Moto Fork Oil SYN (5)	23,30	4,80	130,00	129,00	0,79	4,85
PJ1 Fork Tuner (2.5wt)	26,10	4,90		111,00	0,81	5,33
(Marzzochi)	26,1	5,25	150	135	0,8	4,97
Spectro, Golden (Very Light)	26,40	9,90	400,00	397,00	0,63	2,67
Maxima Racing Fork Fluid (125/150, 7wt)	26,70	5,36	151,00	138,00	0,80	4,98
Silkolene Pro RSF (5wt)	26,70	9,46	372,00	372,00	0,65	2,82
PJ1 Fork Tuner (7.5wt)	27,50	5,10		113,00	0,81	5,39
Castrol Synthetic Fork Oil (5 wt)	28,00	5,70	151,00	149,00	0,80	4,91
Öhlins Shock Absorber Fluid No. 131 (#00105-01)	28,70	9,40	340,00			
Bel-Ray Fork Oil (7wt)	29,00	5,20	110,00	108,00	0,82	5,58
Maxima Racing Shock Fluid (Heavy, 10wt)	29,00	9,40	334,00	336,00	0,68	3,09
Red Line (Medium, Red)	30,40	10,80	369,00	374,00	0,60	2,81
Öhlins Front Fork Fluid (No.15, #1315-01)	30,70				0,51	
Agip Fork (7.5wt)	31,00	6,40	163,00	165,00	0,79	4,84
PJ1 Fork Tuner (5wt)	31,20	5,40		106,00	0,83	5,78
Fox Shox (Torco RSF Medium)	31,82	9,57	300,00	309,00	0,70	3,32
Torco RSF Medium (Purple)	31,82	9,57	300,00	309,00	0,70	3,32
Maxima Bicycle Fork Fluid (10wt)	32,00	6,28	151,00	151,00	0,80	5,10
Maxima Fork Oil (10wt)	32,00	6,28	151,00	151,00	0,80	5,10
Maxima Racing Fork Fluid (165/150, 10wt)	32,00	6,28	151,00	151,00	0,80	5,10
Spectro Fork Oil (10wt)	32,80	5,60	111,00	107,00	0,83	5,86
Racetech (Motorex)(Medum US2)	32,90	7,20	200,00	192,00	0,78	4,57
Bel-Ray Fork Oil (10wt)	33,00	5,90	123,00	123,00	0,82	5,59
RockShox (10w) (Torco 15)	33,00	8,40	240,00	247,00	0,75	3,93
Torco RFF 15	33,00	8,40	240,00	247,00	0,75	3,93
Shell Advance Fork 5	33,05	7,09	185,00	185,00	0,79	4,66
Kayaba G10S	33,20	5,70	111,00	111,00	0,83	5,82
Yamaha (Suspension G10)	33,20					
Suzuki (Fork G10)	33,30					
White Power (7.5)	33,43					
Bel-Ray HVI (10wt)	33,50	10,00	306,00	308,00	0,70	3,35
PJ1 Fork Tuner (10Wt)	33,90	5,70		106,00	0,83	5,95
Kawasaki (Fork G10)	33,90					

Red Line D4 ATF	34,00	7,50	198,00	197,00	0,78	4,53
Mobil 1 Synthetic ATF	34,00	7,60	199,00	202,00	0,78	4,47
Silkolene Fork Oil (10wt)	34,90	7,05	169,00	169,00	0,80	4,95
Honda Pro HP Fork Oil (10wt)	35,20				0,59	
Motul Fork Oil, Comfort (Medium, 5-10)	35,30	6,00	115,00	114,00	0,83	5,88
Bardahl (10w Fork Oil)	35,50	6,90	158,00	158,00	0,81	5,14
Motorex Racing Fork Oil (7.5VV)	35,90	7,70	190,00			
Showa Suspension Fluid SS-8 (10wt) (Apollo)	36,47	7,24	200,00	167,00	0,80	5,04
Silkolene Pro RSF (7.5wt)	37,00	12,00	322,00	339,00	0,68	3,08
Shell Advance Fork 10	38,97	7,44	161,00	161,00	0,81	5,24
Castrol Synthetic Fork Oil (10 wt)	42,00	7,50	150,00	147,00	0,82	5,60
RockShox (15w Extra Heavy) (Torco 20)	42,80	10,40	250,00	245,00	0,78	4,12
Torco RFF 20	42,80	10,40	250,00	245,00	0,76	4,12
Agip Fork (10wt)	45,00	8,30	164,00	162,00	0,82	5,42
Elf Moto Fork Oil SYN (10)	45,40	7,60	135,00	134,00	0,83	5,97
Spectro Fork Oil (15wt)	45,60	7,20	119,00	118,00	0,84	6,33
Repsol Moto Horquillas Fork Oil (10W20)	46,00	8,40	150,00	161,00	0,82	5,48
Maxima Bicycle Fork Fluid (15wt)	46,00	8,48	154,00	163,00	0,82	5,42
Maxima Fork Oil (15wt)	46,00	8,48	154,00	163,00	0,82	5,42
Maxima Racing Fork Fluid (235/150, 15wt)	46,00	8,48	154,00	163,00	0,82	5,42
Castrol Fork Oil (15 wt)	46,50	8,30	150,00	155,00	0,82	5,60
Elf Moto Fork Oil (10)	47,00	8,30	153,00	153,00	0,82	5,66
Spectro Golden (Light)	47,27	16,76	235,00	370,00	0,65	2,82
Kayaba G15S	47,30	7,20	112,00	112,00	0,85	6,57
Yamaha (Suspension G15)	47,30					
Silkolene Pro RSF (10wt)	47,36	13,69	303,00	303,00	0,71	3,46
Suzuki (Fork G15)	47,70					
White Power (10)	48,07					
Silkolene Fork Oil (15wt)	48,45	8,50	153,00	153,00	0,82	5,70
Bel-Ray HVI (15wt)	49,00	13,90	297,00	298,00	0,72	3,53
Kawasaki (Fork G15)	49,50					
Motorex Racing Fork Oil (10W)	52,50	9,90	170,00			
Bel-Ray Fork Oil (15M)	53,00	7,50	103,00	103,00	0,86	7,07
Red Line High Temp ATF	53,90	10,00	172,00	176,00	0,81	5,39
PJ1 Fork Tuner (15wt)	55,30	8,70		133,00	0,84	6,36
Motul Fork Oil. Factory Line (Heavy, 15-20)	61,00	13,20	224,00	225,00	0,78	4,62
PJ1 Fork Tuner (20wt)	61,70	8,40		106,00	0,86	7,35
Spectro Fork Oil (20wt)	65,00	8,90	110,00	111,00	0,86	7,30
Maxima Bicycle Fork Fluid (20wt)	65,00	12,90	201,00	204,00	0,80	5,04
Maxima Fork Oil (20wt)	65,60	12,90	201,00	202,00	0,80	5,09
Red Line (Heavy)	66,80	16,00	256,00	256,00	0,76	4,18
Shell Advance Fork 15	67,00	10,37	120,00	143,00	0,85	6,46

Silkolene Fork Oil (20wt)	67,70	8,75	101,00	101,00	0,87	7,74
White Power (15)	67,81					
Castrol Fork Oil (20 wt)	68,00	11,20	150,00	159,00	0,84	6,07
Repsol Moto Horquillas Fork Oil (15W30)	68,00	11,20	150,00	159,00	0,84	6,07
Agip Fork (15wt)	69,00	11,50	162,00	163,00	0,83	6,00
Motorex Racing Fork Oil (15W)	69,80	12,80	160,00			
Elf Moto Fork Oil (15)	72,60	11,60	155,00	155,00	0,84	6,26
Bel-Ray Fork Oil (20wt)	73,50	9,50	106,00	107,00	0,87	7,74
Motul Fork Oil Comfort (Heavy. 15-20)	77,90	10,10	111,00	112,00	0,87	7,71
Torco Synthetic RTF	82,50	14,33	182,00	182,00	0,83	5,76
Motorex Semi-Bath fork oil, 5W40	90,90	14,60	169,00	188,00	0,84	6,23
Silkolene Pro RSF (15wt)	92,95	19,50	235,00	233,00	0,79	4,77
Elf Moto Fork Oil (20)	99,00	14,60	150,00	153,00	0,85	6,78
Agip Fork (20wt)	104,00	15,03	155,00	151,00	0,86	6,92
Silkolene Fork Oil (30wt)	105,00	11,84	101,00	102,00	0,89	8,87
Bel-Ray Fork Oil (30wt)	105,00	12,00	104,00	104,00	0,89	8,75
Kayaba G30S	116,10	16,70	156,00	156,00	0,86	6,95
PJ1 Fork Tuner (30wt)	116,90	15,00		133,00	0,87	7,79
Spectro, Golden American 4 (20w50)	155,00	19,60	146,00	145,00	0,87	7,91