

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

Brand	Reported cSt @ 40C (centiStokes)	Reported cSt @ 100C (centiStokes)	Reported Viscosity Index (VI)	Recalculated Viscosity Index (VI)	Viscosity/ Temperature Coefficient (VTC)	VI T (cSt@40cSt@100)
Red Line (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	0.65	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	3.24
Silkolene Pro RSF (2.5wt)	13.60	5.83	464.00	465.00	0.57	2.33
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
Racetech (Motorex) (Light US1)	15.20	4.40	222.00	226.00	0.71	3.45
Penske (Lightweight Shock Fluid)	15.50	6.30	434.00	434.00	0.59	2.46
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
Spectro, Golden Spectro Cartridge Fork Fluid (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
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
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 (Light)??	20.00	6.00	260.00	280.00	0.70	3.33
Spectro, 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
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
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
Spectro, Golden Spectro Cartridge Fork Fluid (125/150, Very Light) (Marzocchi)	26.10	5.25	150.00	135.00	0.80	4.87
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
Ohlins (Shock)	28.70	9.40	340.00	340.00	0.67	3.05
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
Ohlins (High Performance)	30.25	10.18	352.00	352.00	0.66	2.97
Red Line (Medium, Red)	30.40	10.80	369.00	374.00	0.64	2.81
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) (Medium 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	186.00	0.79	4.66
Kayaba G3	33.20	5.70	111.00	111.00	0.83	5.82
Bel-Ray HVI (10wt)	33.50	10.00	305.00	308.00	0.70	3.35
PJ1 Fork Tuner (10wt)	33.90	5.70		106.00	0.83	5.95
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
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
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	0.76	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
Silkolene Pro RSF (10wt)	47.36	13.69	303.00	303.00	0.71	3.46
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
Bel-Ray Fork Oil (15wt)	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
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
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	168.00	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