

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)
Red Line (Like Water, Clear)		5.50	2.30	344.00	343.00	0.58
Red Line (Extra Light, Blue)		6.80	4.00	402.00	403.00	0.59
Spectro, Golden (Ultra Light)		10.40	4.40	385.00	440.00	0.58
Rock-Shox (2.5w Light Cartridge) (Torco 5)		10.75	4.00	325.00	340.00	0.63
Torco RFF 5		10.75	4.00	325.00	340.00	0.63
Bel-Ray HM (3wt)		11.00	3.85	298.00	297.00	0.65
Kayaba (KZ-C Shock)		11.30	4.00	310.00	310.00	0.65
Showa Suspension Fluid SS-25 (2.5wt, Stock Shock, OEM)		12.50	3.90	239.00	239.00	0.69
Sikolene Pro RSF (2.5wt)		13.00	5.03	404.00	405.00	0.57
Ohlins 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
Torco RSF Light (Purple)		14.50	4.70	288.00	286.00	0.68
PJ1 Cartridge Pro Fork Fluid (3.5wt)		14.60	3.60	150.00	134.00	0.75
Castrol Fork Oil (10 wt)		15.00	4.00	200.00	179.00	0.73
Motorer Racing Fork Oil (2.5W)		15.10	4.20	200.00		
RaceTech (Motorer) (Light US1)		15.20	4.40	222.00	226.00	0.71
Kawasaki (KHL-15-10)		15.30				
Penske (Lightweight Shock Fluid)		15.50	6.30	434.00	434.00	0.59
Suzuki (Fork L01)		15.50				
Kayaba 01 (Zero-One Fork)		15.60	3.45	150.00	96.00	0.78
Yamaha 01 Fork Oil (Kayaba)		15.60	3.45	150.00	96.00	0.78
Showa Suspension Fluid SS-05 (Stock Fork, OEM)		15.68	3.60	116.00	113.00	0.77
Maxima Bicycle Fork Fluid (5wt)		15.90	3.51	150.00	98.00	0.78
Maxima Fork Oil (5wt)		15.90	3.51	150.00	98.00	0.78
Maxima Racing Fork Fluid (85/150, 5wt)		15.90	3.51	150.00	98.00	0.78
Metal Fork Oil (Very Light)??		16.00	3.50	100.00	95.00	0.78
Rock-Shox (5w Medium, Hydrooil) (Torco 7)		16.10	5.05	285.00	290.00	0.69
Torco RFF 7		16.10	5.05	285.00	280.00	0.69
Metal Shock Oil (2.5-20)		16.10	6.20	400.00	403.00	0.61
Showa Suspension Fluid SS-7 (5wt) (Apella)		16.10	3.78	135.00	119.00	0.77
Ohlins Front Fork Fluid (No.5, #1305-01)		16.44				
Ohlins (Fork W-15)		16.50				
Suzuki (Fork W-15)		16.80				
Spectro, Golden Spectro Cartridge Fork Fluid (85/150, Very Light)		16.90	3.82	150.00	119.00	0.77
Honda Pro HP Fork Oil (5wt)		17.00	3.80	140.00	115.00	0.78
Pro circuit PC-01		17.00	4.10	149.00	149.00	0.76
Bel-Ray Fork Oil (5wt)		17.10	4.10	146.00	147.00	0.76
Kayaba G5		17.70	3.50	72.00	72.00	0.80
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
Metal Fork Oil, Combit (Light, 5)		18.20	4.00	124.00	119.00	0.78
Metal Fork Oil, Factory Line (Light, 5)		18.30	4.20	138.00	138.00	0.77
Red Line (Lght, Yellow)		18.40	7.10	407.00	409.00	0.61
Agip Fork (2.5wt)		18.50	4.37	152.00	153.00	0.76
Ohlins Front Fork Fluid (R&T 43, #1306-01)		18.00				
Bardahl (5w Fork Oil)		19.30	5.10	212.00	212.00	0.74
Bel-Ray HM (5wt)		19.50	6.66	345.00	345.00	0.66
Torco RFF 10		19.90	5.70	260.00	256.00	0.71
Metal Fork Oil (Light)??		20.00	6.00	260.00	280.00	0.70
Showa Suspension Fluid SS-15		20.07				
Spectro, SX '400"		20.90	8.90	400.00	480.00	0.33
Maxima Racing Shock Fluid (Medium, 7wt)		21.00	7.30	349.00	358.00	0.57
Spectro Fork Oil (5wt)		21.60	4.40	119.00	114.00	0.65
Agip Fork (5wt)		22.00	5.20	175.00	178.00	0.76
Ohlins Front Fork Fluid (No.10, #1310-01)		22.00				
Sikolene Fork Oil (5wt)		22.30	4.40	106.00	107.00	0.80
Metal Fork Oil, Factory Line (Medium, 5-10)		22.30	6.20	254.00	253.00	0.72
Motorer 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
PJ1 Fork Tuner (2.5wt)		26.10	4.90	111.00	111.00	0.81
(Marzocchi)		26.10	5.25	150.00	135.00	0.60
Spectro, Golden (Very Light)		26.40	9.90	400.00	397.00	0.63
Maxima Racing Fork Fluid (125/150, 7wt)		26.70	5.36	151.00	138.00	0.80
Sikolene Pro RSF (5wt)		26.70	9.46	372.00	372.00	0.65
PJ1 Fork Tuner (7.5wt)		27.50	5.10	113.00	113.00	0.81
Castrol Synthetic Fork Oil (5 wt)		28.00	5.70	151.00	149.00	0.80
Ohlins 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
Maxima Racing Shock Fluid (Heavy, 10wt)		29.00	9.40	334.00	336.00	0.68
Red Line (Medium, Red)		30.40	10.60	369.00	374.00	0.64
Ohlins Front Fork Fluid (No.15, #1315-01)		30.70				
Agip Fork (7.5wt)		31.00	6.40	163.00	165.00	0.51
PJ1 Fork Tuner (5wt)		31.20	5.40	106.00	106.00	0.79

Fox Shox (Torco RSF Medium)	31.82	0.57	300.00	309.00	0.70
Torco RSF Medium (Purple)	31.82	0.57	300.00	309.00	0.70
Maxima Bicycle Fork Fluid (10wt)	32.00	6.28	151.00	151.00	0.80
Maxima Fork Oil (10wt)	32.00	6.28	151.00	151.00	0.80
Maxima Racing Fork Fluid (165/150, 10wt)	32.00	6.28	151.00	151.00	0.80
Spectro Fork Oil (10wt)	32.80	5.60	111.00	107.00	0.63
Racetech (Motorex) (Medium US2)	32.90	7.20	200.00	192.00	0.78
Bel-Ray Fork Oil (10wt)	33.00	5.90	123.00	123.00	0.62
RockShox (10wt) (Torco 15)	33.00	8.40	240.00	247.00	0.75
Torco RFF 15	33.00	8.40	240.00	247.00	0.75
Shell Advance Fork 5	33.05	7.00	185.00	185.00	0.79
Kayaba G10S	33.20	5.70	111.00	111.00	0.83
Yamaha (Suspension G10)	33.20				
Suzuki (Fork G10)	33.30				
White Power (7.5)	33.43				
Bel-Ray HM (10wt)	33.50	10.00	305.00	308.00	0.70
PJ1 Fork Tuner (10wt)	33.90	5.70	106.00	106.00	0.63
Kawasaki (Fork G10)	33.90				
Red Line D4 ATF	34.00	7.50	198.00	197.00	0.78
Mobil 1 Synthetic ATF	34.00	7.60	199.00	202.00	0.78
Sikolene Fork Oil (10wt)	34.90	7.05	169.00	169.00	0.80
Honda Pro HP Fork Oil (10wt)	35.20				
Metal Fork Oil, Comfort (Medium, 5-10)	35.30	6.00	115.00	114.00	0.83
Bardahl (10w Fork Oil)	35.50	6.90	158.00	158.00	0.81
Motorex Racing Fork Oil (7.5W)	35.90	7.70	190.00	190.00	0.81
Shoxa Suspension Fluid 99-8 (10wt) (Aucillo)	36.47	7.24	200.00	197.00	0.60
Sikolene Pro RSF (7.5wt)	37.00	12.00	322.00	339.00	0.68
Shell Advance Fork 10	38.97	7.44	161.00	161.00	0.81
Castrol Synthetic Fork Oil (10 wt)	42.00	7.50	150.00	147.00	0.82
RockShox (15w Extra Heavy) (Torco 20)	42.80	10.40	250.00	245.00	0.76
Torco RFF 20	42.80	10.40	250.00	245.00	0.76
Agip Fork (10wt)	45.00	8.30	164.00	162.00	0.82
Elf Moto Fork Oil SYN (10)	45.40	7.60	135.00	134.00	0.83
Spectro Fork Oil (15wt)	45.60	7.20	119.00	118.00	0.84
Repsol Moto Horquillas Fork Oil (10W/20)	46.00	8.40	150.00	151.00	0.82
Maxima Bicycle Fork Fluid (15wt)	46.00	8.40	154.00	163.00	0.82
Maxima Fork Oil (15wt)	46.00	9.40	154.00	163.00	0.82
Maxima Racing Fork Fluid (205/150, 15wt)	46.00	8.48	154.00	163.00	0.82
Castrol Fork Oil (15 wt)	46.50	8.30	150.00	155.00	0.82
Elf Moto Fork Oil (10)	47.00	8.30	153.00	153.00	0.82
Spectro, Golden (Light)	47.27	16.76	235.00	370.00	0.65
Kayaba G15S	47.30	7.20	112.00	112.00	0.85
Yamaha (Suspension G15)	47.30				
Sikolene Pro RSF (10wt)	47.36	13.69	303.00	303.00	0.71
Suzuki (Fork G15)	47.70				
White Power (10)	48.07				
Sikolene Fork Oil (15wt)	48.45	8.50	153.00	153.00	0.82
Bel-Ray HM (15wt)	49.00	13.90	297.00	298.00	0.72
Kawasaki (Fork G15)	49.50				
Motorex Racing Fork Oil (10W)	52.50	9.90	170.00	170.00	0.86
Bel-Ray Fork Oil (15wt)	53.00	7.50	103.00	103.00	0.81
Red Line High Temp ATF	53.90	10.00	172.00	176.00	0.81
PJ1 Fork Tuner (15wt)	55.30	8.70	133.00	133.00	0.84
Metal Fork Oil, Factory Line (Heavy, 15-20)	61.00	13.20	224.00	225.00	0.70
PJ1 Fork Tuner (20wt)	61.70	8.40	106.00	106.00	0.86
Spectro Fork Oil (20wt)	65.00	9.90	110.00	111.00	0.86
Maxima Bicycle Fork Fluid (20wt)	65.00	12.90	201.00	204.00	0.80
Maxima Fork Oil (20wt)	65.60	12.90	201.00	202.00	0.80
Red Line (Heavy)	66.80	16.00	256.00	256.00	0.76
Shell Advance Fork 15	67.00	10.37	120.00	143.00	0.85
Sikolene Fork Oil (20wt)	67.70	8.75	101.00	101.00	0.87
White Power (15)	67.81				
Castrol Fork Oil (20 wt)	68.00	11.20	150.00	159.00	0.84
Repsol Moto Horquillas Fork Oil (15W/30)	68.00	11.20	150.00	159.00	0.84
Agip Fork (15wt)	69.00	11.50	162.00	163.00	0.83
Motorex Racing Fork Oil (15W)	69.80	12.80	160.00	160.00	0.84
Elf Moto Fork Oil (15)	72.60	11.60	155.00	155.00	0.84
Bel-Ray Fork Oil (20wt)	73.50	9.50	106.00	107.00	0.87
Metal Fork Oil, Comfort (Heavy, 15-20)	77.90	10.10	111.00	112.00	0.87
Torco Synthetic RTF	82.50	14.33	182.00	182.00	0.83
Motorex Semi-Bath fork oil, 5W/40	90.90	14.60	169.00	168.00	0.84
Sikolene Pro RSF (15wt)	92.95	19.50	235.00	233.00	0.79
Elf Moto Fork Oil (20)	98.00	14.60	150.00	153.00	0.65
Agip Fork (20wt)	104.00	15.03	155.00	151.00	0.60
Sikolene Fork Oil (30wt)	105.00	11.84	101.00	102.00	0.69
Bel-Ray Fork Oil (30wt)	105.00	12.00	104.00	104.00	0.69
Kayaba G30S	116.10	16.70	156.00	156.00	0.86
PJ1 Fork Tuner (30wt)	116.90	15.00	133.00	133.00	0.87
Spectro, Golden American 4 (20w/50)	155.00	19.60	146.00	145.00	0.87