

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

| Brand  | Reported<br>cSt @ 40C<br>(centiStokes) | Reported<br>cSt @ 100C<br>(centiStokes) | Reported<br>Viscosity<br>Index (VI) | Recalculated<br>Viscosity<br>Index (VI) | Viscosity/<br>Temperature<br>Coefficient (VTC) | VI T<br>(cSt@40/cSt@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   | 3.21                     |
| 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                     |
| <b>Kayaba 01 (Zero-One Fork) DL 1000 2014 &gt;</b>                             | <b>15.60</b>                           | <b>3.45</b>                             | <b>150.00</b>                       | <b>96.00</b>                            | <b>0.78</b>                                    | <b>4.52</b>              |
| 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   | 4.33                     |
| 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   | 4.97                     |
| 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                     |
| 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                              | 185.00                                  | 0.79   | 4.66                     |
| Kayaba G10S  | 33.20                                  | 5.70                                    | 111.00                              | 111.00                                  | 0.83   | 5.82                     |
| 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                     |
| 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                     |
| <b>Showa Suspension Fluid SS-8 (10wt) (Apollo) DL 650</b>                      | <b>36.47</b>                           | <b>7.24</b>                             | <b>200.00</b>                       | <b>167.00</b>                           | <b>0.80</b>                                    | <b>5.04</b>              |
| Silkolene Pro RSF (7.5wt) et DL 1000 2002 > 2012                               | 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                                  | 11.80                                   | 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   | 7.90                     |