

Red Line Suspension Fluid / Fork Oil Cross Reference

Current Fluid	Viscosity		VAT	Red Line Equivalent	
	cSt @ 40°C	cSt @ 100°C		For <i>Fork</i>	For <i>Shock</i>
Bardahl Fork Oil 5w	19.3	5.1	3.78	LW <i>F</i>	XL <i>S</i>
Bardahl Fork Oil 10w	35.5	6.9	5.14	Med <i>F</i>	LW <i>S</i>
Bel-Ray HVI 3w	11.2	4.1	2.73	XL <i>F</i>	XL <i>S</i>
Bel-Ray HVI5w	18.2	6.2	2.94	LW <i>F</i>	LW <i>S</i>
Bel-Ray HVI 10w	34.4	10.2	3.37	Med <i>F</i>	Med <i>S</i>
Bel-Ray HVI 15w	51.2	14.0	3.66	Hvy <i>F</i>	Hvy <i>S</i>
Bel-Ray Fork 5w	17.4	4.2	4.14	LW <i>F</i>	XL <i>S</i>
Bel-Ray Fork 7w	29.3	5.5	5.33	Med <i>F</i>	XL <i>S</i>
Bel-Ray Fork 10w	36.0	6.6	5.45	Med. <i>F</i>	LW <i>S</i>
Bel-Ray Fork 15w	52.9	8.0	6.61	Hvy <i>F</i>	LW <i>S</i>
Bel-Ray Fork 20w	77.1	10.0	7.71	Hvy <i>F</i>	Med <i>S</i>
Bel-Ray Fork 30w	115.3	13.1	8.80	<i>No Cross</i>	Med <i>S</i>
Bilstein Shock Oil (stock)	19.1	5.4	3.54	LW <i>F</i>	XL <i>S</i>
Castrol Aircraft Grade Missile and Ordnance					
Brayco Micronic 795	11	3.9	2.82	XL <i>F</i>	XL <i>S</i>
Brayco Micronic 756	13.5	5	2.7	XL/LW <i>F</i>	XL/LW <i>S</i>
Brayco Micronic 776RP	25.4	4.8	5.29	LW/Md <i>F</i>	XL/LW <i>S</i>
Fox Shock Fluid (stock)	26.8	9.5	2.82	Med <i>F</i>	Med <i>S</i>
Golden Spectro Ultra Light	9.8	4.2	2.33	XL <i>F</i>	XL <i>S</i>
Spectro Cart. Fork 85/150	16.3	3.6	4.53	LW <i>F</i>	XL <i>S</i>
Golden Spectro Fork 5w	22.5	4.4	5.11	LW <i>F</i>	XL <i>S</i>
Spectro Cart.Fork 125/150	26.7	5.0	5.34	Med <i>F</i>	XL <i>S</i>
Golden Spectro Fork 10w	31.6	5.4	5.85	Med <i>F</i>	XL <i>S</i>
Golden Spectro Fork 20w20	66.0	8.7	7.59	Hvy <i>F</i>	LW <i>S</i>
Golden Spectro Fork 15w	46.3	6.9	6.70	Med <i>F</i>	LW <i>S</i>
Golden Spectro SPL U-light	12.2	5.0	2.44	XL <i>F</i>	XL <i>S</i>
Golden Spectro SPL V-light	29.9	10.7	2.79	Med <i>F</i>	Med <i>S</i>
Golden Spectro SPL Light	55.9	18.1	3.09	Hvy <i>F</i>	Hvy <i>S</i>
Harley Davidson type "B"	34.3	5.8	5.91	Med <i>F</i>	LW <i>S</i>
Harley Davidson type "E"	39.2	7.3	5.37	Med <i>F</i>	LW <i>S</i>
Harley Davidson (Heavy)	67.7	8.6	7.87	Hvy <i>F</i>	Hvy <i>S</i>
Pro Honda 5w	16.7	4.2	3.98	LW <i>F</i>	XL
HondaSS-7 5w	16.9	3.8	4.45	LW <i>F</i>	XL <i>S</i>
Honda SS-8 10w	39.7	7.6	5.22	Med <i>F</i>	LW <i>S</i>
Kayaba K2-C (shock)	11.3	4.0	2.82	XL <i>F</i>	XL <i>S</i>
Kayaba Zero-1 (fork)	15.1	3.5	4.31	LW <i>F</i>	XL <i>S</i>

Current Fluid	Viscosity		VΔT	Red Line Equivalent	
	cSt @ 40°C	cSt @ 100°C		For Fork	For Shock
Koni Shock oil (stock)	---	5.3	---	---	XL S
Maxima Racing Shock Light	14.3	5.4	2.65	XL/LW F	XL/LW S
Maxima Racing Shock Med.	21.8	7.6	2.87	LW F	LW S
Maxima Racing 85-150 (5w)	17.6	3.9	4.51	LW S	XL S
Maxima Racing 125-150 (7w)	26.2	5.1	5.14	Med F	XL/LW S
Maxima Racing165-150 (10w)	33.8	6.2	5.45	Med F	LW S
Maxima Racing235-150 (15w)	52.9	9.2	5.75	Md/Hv F	Med S
Maxima Fork 5w	18.6	3.9	4.77	LW F	XL S
Maxima Shock	32.0	---	---	Med F	---
Maxima Fork 10w	35.3	6.5	5.43	Med F	LW S
Maxima Fork 15w	52.4	8.0	6.55	Md/Hv F	LW/Md S
Maxima Fork 20w	70.6	11.7	6.03	Hvy F	Med S
Motul Fork 5-10	23.9	6.6	3.62	LW/Md F	LW S
MotulFork 15-20	60.1	12.9	4.66	Hvy F	Md/HvS
Noleen Aluron	16.3	3.6	4.53	LW F	XL S
Noleen 1	16.7	3.8	4.39	LW F	XLS
Noleen Unvis	28.0	9.8	2.86	Med F	Med S
Ohlins (stock)	28.7	9.4	3.05	Med F	Med S
Ohlins Low Viscosity PN1306-01	13.7	?	---	XL/LW F	---
Penske Lightweight Shock Fluid	15.5	6.3	2.46	XL/LW F	LW S
PJ-1 Pro Fork	14.6	3.6	4.06	XL/LW F	XL S
PJ-1 Pro 7	15.0	3.7	4.05	XL/LW F	XL S
PJ-1 2.5w	26.1	4.9	5.32	LW/Md F	XL/LW S
PJ-1 5w	31.2	5.4	5.78	Med F	XL/LW S
PJ-1 7.5w	27.5	5.1	5.39	Med F	XL/LW S
PJ-1 10w	33.9	5.7	5.95	Med F	XL/LW S
PJ-1 ATF	45	8.6	5.23	Md/Hv F	LW/Md S
PJ-1 15w	55.3	8.7	6.36	Md/Hv F	LW/Md S
PJ-1 20w	61.7	8.4	7.34	Hvy F	LW/Md S
PJ-1 30w	116.9	15	7.79	---	HVY S
RaceTech US-1	14.2	4.2	3.38	XL/LW F	XL S
RaceTech US-2	32.9	7.6	4.42	Med F	LW S
Rock Shox 2.5w Light Cartridge	10.8	4	2.7	XL F	XL S
Rock Shox 5w Medium Hydracoil	19.9	5.7	3.49	LW F	XL/LW S
Rock Shox 10w Heavy Boxxer	38	8.4	4.52	Med F	LW/Md S
Rock Shox 15w Extra Heavy	42.8	10.4	4.12	Md/Hv F	Med S

Current Fluid	Viscosity		VΔT	Red Line Equivalent	
	cSt @ 40°C	cSt @ 100°C		For Fork	For Shock

Showa SS2.5 (stock) Shock	12.5	3.9	3.2	XL F	XL S
Showa SS05 (stock) Fork	15.9	3.6	4.42	XL/LW F	XL S
SLP Snow Shock Light	23.1	4.8	4.81	LW/Md F	XL S
Silkolene Fork/ Pro RSF 2.5w	15.0	6.0	2.5	XL/LW F	XL/LW S
Silkolene Fork 5w (Penske)	26.8	9.1	2.94	LW/Md F	MedS
Silkolene Fork 10w	35.7	7.5	4.76	Med F	LW S
Torco MFO 5w (VI 325)	10.8	4.0	2.7	XL F	XL S
Torco MFO 7w (VI 285)	16.1	5.0	3.22	LW F	XL/LW S
Torco MFO 10w (VI 260)	19.9	5.7	3.49	LW F	XL/LW S
Torco MFO 15w (VI 240)	33.0	8.4	3.92	Med F	LW/MedS
Torco MFO 20w (VI 250)	?	10.4	---	---	Med S
Torco RSF Light	?	?			
Torco RSF Medium	?	?			
White Brothers RS 67	14.0	5.2	2.69	LW/Md F	XL/LWS
White Brothers RF 85	17.1	3.7	4.62	LW F	XL S
White Brothers RF 130	28.6	5.4	5.3	Med F	XL/LW S
White Power 5w	24.6	5.1	4.82	LW/Md F	XL/LWS
White Power 7.5w	34.0	6.5	5.23	Med F	LW S
White Power Fork 10w	51.2	8.8	5.82	Heavy F	LW/MedS
White Power 15w	69.1	11.6	5.96	Heavy F	Med S
White Power 20w	104.9	15.3	6.86	No Cross F	Heavy S
Works Performance	27.5	9.4	2.92	Med F	LW/MedS
Yamaha Fork	15.5	---	---	XL/LW F	

Red Line Suspension Fluids

			VΔT	V.I.
Like Water!™ (Clear)	5.5	2.3	2.39	344
ExtraLight 2.5 W (Blue)	9.8	4.0	2.45	402
LightWeight 5W (Yellow)	18.4	7.1	2.59	407
Medium 10W (Red)	30.4	10.8	2.81	369
Heavy 30W (Gold)	66.8	16.0	4.17	256

VΔT is the ratio of the viscosity at 40°C divided by the viscosity at 100°C, less change the better when comparing similar viscosity fluids. A value of 1 would be no change in viscosity with temperature. The assumed operating temperature for forks is 40°C or 104°F and for shocks 100°C or 212°F.