

	Total Quartz Racing	Motul 300V Lemans	Motul 8100 X-Power	Elf HTX 860	Liqui Moly Synthoil Race Tech GT	Pennzoil Platinum Racing	Shell Helix Ultra Racing
Kinematic Viscosity 100C	23.60	23.60	23.50	23.59	24.00	23.20	23.10
Kinematic Viscosity 40C	167.00	162.10	163.40	150.60	168.00	164.00	160.10
Viscosity Index (A)	172.00	176.00	174.00		174.00	171.00	174.00
Denisty 15C	857.00	854.00	851.00	857.00	850.00	846.00	845.80
Flash Point - Celsius	250.00	234.00	242.00	246.00	246.00	224.00	250.00
Pour Point - Celsius	-36	-36	-36		-36	-45	-42
Evaporative Loss					5.30%		
Sulfate Ash (%)			1.09		1.0-1.6G/1,00		
Phosphorous (%)							
TBN			10.1		10.5		

* Motorcycle Oil

** Straight 60 weight

(1) At 20C

(A) Higher is better

Total Base Number (TBN) - Higher is better. Remove acidic corrosive impurities.

* Motorcycle Oil

** Straight 60 weight

(1) At 20C

(A) Higher is better

Total Base Number (TBN) -

Viscosity Index: The scale to compare the rate of viscosity change with temperature among different fluids.

A fluid that thins more upon heating (and therefore thickens more upon cooling) has a lower VI than one that thins less and thickens less. Or put another way, higher VI oils change their viscosity less when the temperature changes.

TBN: 7-10 for new oil. Below 3 suggests need for oil change.

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	Ardeca Pure Sports	Ardeca Racing Plus	AGIP Racing 4T	Maxima Extra 4*	Motorex Power Synt 4T*	Ravenol Racing Sport RSS Synto	Millers CFS 10W-60
Kinematic Viscosity 100C	23.00	24.50	23.50	25.10	23.40	23.60	22.70
Kinematic Viscosity 40C	164.40	171.00	160.00	131.60	158.90	154.40	159.60
Viscosity Index (A)	169.00	175.00	177.00	211.00	178.00	184.00	171.00
Denisty 15C	859.00	871.00	875.00	875.20	863(1)	859(1)	
Flash Point - Celsius		238.00	220.00	239.00	200.00	236.00	240.00
Pour Point - Celsius	-36	-36	-36	-48	-51	-51	-42
Evaporative Loss							
Sulfate Ash (%)		1				1.3	
Phosphorous (%)							
TBN							

* Motorcycle Oil

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Castrol BMW TWS Edge	Castrol Edge Supercar	**Valvoline VR-1	**PennGrade 1	Amsoil Dominator	Rowe Hightec Racing	Royal Purple XPR
24.20	22.70	23.00	22.30	25.00	26.20	22.19
161.00	160.00	158.00	274.00	186.80	174.40	102.40
179.00	173.00	175.00	105.00	166.00	186.00	246.00
864.00	853.00	867.00	897.00		850.00	
200.00	203.00	220.00	218.00	234.00	240.00	204.00
-51	-39	-45	-15	-36	-38	-42
			1		5.75%	
1.1	1.29G/1,000					
		12			9.2	10.19

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Millers CFS 10W-60 NT	Motul 7100 4T *	Mobil-1 Extended Life	Gulf Competition	Beck-Arnley	Rowe Hightec Syn RS	Red Line Synthetic
24.40	23.90	22.70	24.10	23.00	25.00	25.90
170.80	160.10	152.70	168.00	170.00	165.50	170.00
175.00	181.00	178.00	175.00		186.00	187.00
870.00	862 (1)	860.00	866.00	850.00	853.00	
226.00	232.00	234.00		>200	240.00	234.00
-42	-33		-32		-35	-45
					5.70%	6%
		1.4				
		0.13				
10.1	8.4	11.8	9.2		10	

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