

Výrobca	BMW	Model	1 Series (E81/82/87/88) 2,0
Kód motora	20 4D 4	Engine output	90 (122) 4000
Equipped for		Rok výroby	2004 - 2007

Návod	Názov tovaru	Jednota	Hodnota	Nameraná hodnota
Lubricants and capacities				
Engine oil options				
	Ambient temperature range		All temperatures	
85	Engine oil grade	SAE	0W-30, 0W-40 Synthetic	
	Engine oil classification	OEM	BMW LL04/LL01	
	Ambient temperature range		All temperatures	
85	Engine oil grade	SAE	5W-30, 5W-40 Synthetic	
	Engine oil classification	OEM	BMW LL04/LL01	
	Engine with filter(s)	litres	5,5	
Other lubricants and capacities				
18	Manual transmission oil grade	SAE		
92	Manual transmission	litres		
84	Automatic transmission fluid	Type		
68	Automatic transmission (dry fill)	litres		
43	Differential oil grade - rear	SAE	75W-90 Synthetic	
93	Differential rear	litres	0,8	
	Coolant	Type	Longlife	
	Coolant	Colour	Blue	
	Cooling system - total capacity	litres	7,4	
	Brake fluid	Type	DOT 4	
80	Power steering fluid	Type		

Poznámka: 18

Orange label with ATF oil = Dexron II D

Green label with special oil = Synthetic Mobil SCH630 (BM), part No. 81-22-9-407-305

Yellow label with MTF-LT-1 = no oil change necessary

In case of repair only fill with lifetime oil: MTF-LT-2, part No. 83-220-309-031

6-speed (I transmission) = MTF-LT-3, part No. 83-22-7-533-818

With no label = SAE 80 (MIL-L-2105 or API-GL-4)

Poznámka: 43

If equipped with Lamella self-locking/electro-hydraulic self-locking differential use 75W-140.

Poznámka: 68

Drain plug

GA6HP19Z/TU, GA6HP26Z/TU, GA8HP45Z, GA8HP70Z, GA8HP90Z, GA6HP32Z/TU: Metal sump = 12 Nm Plastic sump = 8 Nm

GA6L45R: 14 Nm

Level plug

GA6HP19Z/TU, GA8HP45Z, GA8HP70Z, GA8HP90Z, GA6HP32Z/TU: M18 x 1,5 = 35 Nm

GA6HP26Z/TU: M30 x 1,5 = 80 Nm

GA6L45R:M18 x 1,5 = 19 Nm

Poznámka: 80

Refer to label on reservoir cap.

AFS/ARS = Pentosin CHF IIS

Poznámka: 84

GM transmission

GA6L45R = Dexron VI, BMW part No. 83 220 397 114

Green plate = Dexron VI, BMW part No. 83 220 397 114

Carry out fluid level check using diagnostic equipment.

ZF transmission

GA6HP19Z/TU = Shell M-1375,4, BMW part No. 83 220 142 516

GA6HP26Z/TU = Shell M-1375,4, BMW part No. 83 220 142 516

GA6HP32Z/TU = Shell M-1375,4, BMW part No. 83 220 142 516

GA8HP45Z = Shell L-12108, BMW part No. 83 220 152 426

GA8HP70Z = Shell L-12108, BMW part No. 83 220 152 426

GA8HP90Z = Shell L-12108, BMW part No. 83 220 152 426

Carry out fluid level check using diagnostic equipment.

Poznámka: 85

With diesel particulate filter (DPF) = BMW LL04

Low ash engine oil MUST be used to ensure long service life of diesel particulate filter (DPF).

Poznámka: 92

Dry fill capacity:

S5D 200/250G = 1,1 litres

S5D 280Z/310Z/320Z = 1,3 litres

S5D 390Z/GS6 17BG = 1,5 litres

S6 53DZ/S6 37 BZ/DZ = 1,6 litres

S6S 420G = 1,9 litres

S6S 560G = 2,5 litres

S7S 47BG = 2,7 litres

240/5/ZF S516 = 1,1 litres

260/5/6/280/5 = 1,3 litres

265/5/6 = 1,7 litres

Poznámka: 93

168L = 0,8 litre

188L - 188LW = 1,0 litre

188K/215L/215LW/215N = 1,2 litres

215K = 1,4 litres

230K = 1,5 litres