



231.1 Specified gear oils (cars, cross-country vehicles) - overview

Select Sheet **231.1**

Overview

smart sheets 235.10/.71 to 235.73		Sheet No. 235			
Major assembly		.10	.71	.72	.73
		SAE grade	75W-85	75W-90	75W
Automated manual transmission 717.4 in model 450, 452				•	
Automated manual transmission 717.4 in model 451, 454				•	
DCT (Twinamic) 700.410/411 in model 453					•
Manual transmission 700.120/121/122/123 in model 453			•		

Passenger car, sheets 235.0 to 235.74		Sheet No. 235							
Major assembly		.0	.7	.15	.61	.62	.63	.64	.74
		SAE grade	75W-90, 80W-90, 85W-90, 90	75W-85	75W-85	75W-140	75W-85		75W-85
Differential with limited slip			•						
Rear axle models 117, 118, 156, 176, 177, 246, 247 4MATIC (4x4)						•			
Rear axle model 163									•
Rear axle model 164 with rear wheel drive (4x2), rear axle with differential lock models 164, 199				•					
Rear axle model 251 with rear wheel drive (4x2)					•				
Rear axle (standard differential)		○	•						
Rear axle with AMG differential lock model 171.473, models 172.466/475, models 203.076/276, models 204.077/277/377, models 205.086/087/286/287/386/387/486/487, models 209.376/377/476/477, models 211.076/077/276/277, models 212.074/075/076/077/092/274/275/276/277/292, models 213.088/089/288/289, models 218.374/375/376/392/974/975/976/992, models 219.376/377 with transmission 722.6/9, models 230.470/472/474 with code 471 / P30, model 230.479, models 231.474/479, models 251.021/026/054/056/077/126/154/156/177, model 290 with HAG228 and engine 177, model 290 with HAG215 and engine 256					•				
Rear axle TWIN rear axle differential for gear set in models 177 and 118 with engine 139							•		
Rear axle TWIN rear axle differential for coupling in models 177 and 118 with engine 139								•	
Front axle 4MATIC (except models 166,167, 205, 207, 212, 213, 217, 218, 222, 238, 253, 257, 292)		○							•

Passenger car, Sheets 235.0 through 235.10		Sheet No. 235		
Major assembly		.0	.3	.10
		SAE grade	75W-90, 80W-90, 85W-90, 90	75W
			75W-85	75W-85
Manual steering			•	
Manual transmission 716.2				•
Manual transmission as of transmission sequence number 7 340 241 (717.4 and 716.6)				•
Manual transmission SG 150/180 (716.5)				•
Manual transmission NMT 270, 370/400			•	
Manual transmission 700.7 (Citan)				•

Passenger car sheets 239.71/.72		Sheet No. 239	
Major assembly		.71	.72
		SAE grade	75W-85
Rear axle (normal differential) with light alloy housing model 166, 167, 172, 205, 213, 217, 222, 238, 253, 257, 292			•
Front axle differential (normal differential) model 166, 167, 205, 207, 212, 213, 217, 218, 222, 238, 253, 257, 292			•

Cross-country vehicle Sheets 235.0 to 235.61

Cross-country vehicle, sheets 236.1 to 236.8

Major assembly		Sheet No. 235					
		.0	.1	.8	.10	.11	.61
	SAE grade	75W-90, 80W-90	80, 80W, 80W-85, 80W-85W, 80W-90				
		85W-90, 90	Hot zones 85W-90, 90	75W-90	75W-85	75W-90	75W-140
Axles (except model 463.270/271)		•					
Rear axle with AMG differential lock model 463.243/246/270/271/272/273/274/275							•
Hub reduction gear (portals) models 463.234/255 with code ZQ0 (G 500 4x4 ²) hub reduction gear (portals) model 463.274 with code LQ0 (G 650 landaulet)				•			
Hub reduction gear (portals) model 461.339 with code ZD4 (vehicle for non civilian use)							•
Manual transmission as of transmission sequence number 7 340 241					•		
Transfer case (except VG 150E)			•				
Transfer case VG 150E						•	

Passenger car and off-road vehicle, sheets 236.2/3

Major assembly		Sheet No. 236	
		.2	.3
Manual steering L 075 Z			•
Manual steering (cross-country vehicle)			•
Manual transmission (cross-country vehicle)		•	
Manual transmission 717.4, sheet 236.6 not for GL76/30-5, GL275E up to transmission sequence number 7 340240		•	
Power steering			•
Power steering (cross-country vehicle)			•

Passenger car and off-road vehicle, sheets 236.1 to 236.81

Major assembly	Sheet No. 236									
	.1	.7	.8	.9	.10	.12	.14	.15	.17	.81
7-speed automatic transmission 722.9 except code A89							•			
7-speed automatic transmission 722.9 with code A89								•		
7-speed automatic transmission HYBRID 724.2								•		
9-speed automatic transmission 725.0/1 4MATIC									•	
MB 4- and 5-speed automatic transmission without slipping lockup clutch (torque converter lockup clutch) (722.3/4/5) sheet 236.8 only for arctic climate	•	•	○	•	•	○				•
MB 5-speed automatic transmission with regulated torque converter lockup clutch (KÜB) for vehicles with rear wheel drive (722.6)							•			
MB 5-speed automatic transmission with regulated torque converter lockup clutch (KÜB) for vehicles with front wheel drive (722.7)					•					

Passenger car and off-road vehicle, sheets 236.6 to 236.15, 239.41

Major assembly	Sheet No. 236				239
	.10	.12	.13	.15	.41
Transfer case (4MATIC), model 124	•				
Transfer case (4MATIC), model 163, 210	•				
Transfer case (4MATIC), model 164, 166, 251					
Transfer case (4MATIC), model 470, 471 with engine 699		•			
Transfer case without torque-on-demand (4MATIC), model 167					
Transfer case (4MATIC), model 203, 211, 220			•		
Transfer case in models 205, 213, 217, 218, 222, 238, 253, 257, 290 with transmission 725.0; transfer case in model 257 with transmission 725.1				•	
Transfer case with torque-on-demand (4MATIC), model 167, transfer case in model 463					•

Passenger car and off-road vehicle, sheets 236.6 to 236.26, 239.21

Major assembly	Sheet No. 236				239
	.21	.22	.25	.26	.21
7-DCT 300 Getrag transmission 700.4 in model 118, 177, 247					•
7G-DCT transmission 724 in model 117, 156, 176, 177, 242, 246	•				
8F-DCT transmission 724.1 in models 118, 177, 247		•			
GL-5 gear set, transmission 700.400/401/402 in model 190, 197				•	
Hydraulic circuit, transmission 700.400/401/402 in model 190, 197			•		

Passenger car and off-road vehicle, sheets 236.6 to 236.41

Major assembly	Sheet No. 236			
	.20	.21	.24	.41
Transmission drive system M 780.990 in model 242		•		
Transmission drive system M 780.701 in model 447, M 780.998 in model 293			•	
Transmission 722.55 in model 164 (hybrid)				•
MB F-CVT transmission 722.8		•		
ZF transmission 716.7 in model 172, 205, 213, 238, 253				•

Notes:

- Approval
- Can only be used in exceptional cases or under certain operating conditions/in certain applications.

