BB00.40-P-0231-02A	Specified transmission oils (commercial vehicle, van) - Overview		
These tables serve only as a	an overview!	i	
• Should be used.		With conversion to another oil:	
○ Can be used.		Change service life factors in the maintenanc (WS) and pay attention to specified service in processors.	•
Note:		For commercial vehicle axle applications in th area 235.6 can be used equivalently to 235.0	

Major assembly		Sheet No. 235											
		.0	.1	.5	.6	.8	.20	.31					
	SAE grade		80, 80W, 80W/85 W	80, 80W, 80W/85 W		75W-90 , 80W-90	,	75W-8 5					
			Hot zones 90, 85W-90	Hot zones 90, 85W-90		85W-90 , 90	85W-90 , 90						
Hypoid differential D741.160, D746.209/305, D746.301/302 (tandem),						•	₀ 1.)						
D746.301 (solo drive) up to 12/2013, D748.595													
Hypoid differential D746.301 (solo drive) as of 01/2014	ļ						₀ 1.)	•					
all other hypoid differentials		0			0	•	•						
Planetary axle		0			0	•	•						
Pinion shaft			•	•									
Hypoid differential D741.161/421/422/423/453/454/455	5					0		•					

^{1.)} Reduced maintenance interval.

Commercial vehicles, vans - transfer case, sheets 235.1 up to 2	35.41					
Major assembly		Sheet N	o. 235			
		.1	.4	.5	.11	.41
	SAE grade	80, 80W, 80W/85 W Hot zones 90, 85W-90	80W/85 W	80, 80W, 80W/85 W Hot zones 90, 85W-90	80W/85 W 75W-90	
ZF transfer case, Fuller transmission		•		•		
Transfer case		0	•		•	
MB transfer case		o 2.)	•	₀ 2.)	•	
Transfer case		₀ 3.)		₀ 3.)	•	
VG 1600 major assembly model designation D750.807, VG 2800 m assembly model designation D750.854, VG 3000 Z major assembly designation D750.855	•					
Transfer case						•
VG 1000 Z major assembly model designation D750.010, VG 1000 (permanent) major assembly model designation D750.011						

- 2.) Only use in exceptional cases! If no synthetic oil in accordance with 235.4 or 235.11 available.
- 3.) Only use in exceptional cases! If no synthetic oil as per 235.11 available.

Major assembly		Sheet No. 235												
		.1	.3	.5	.10	.11	.12	.13	.41					
	SAE	80W		80W										
	grade	Hot zones 90, 85W-90		Hot zones 90, 85W-90	75W/ 85W	75W-90	30, 40	75W-90	75W-8 5					
WSK400							● 8.)							
Model 447, 639, 900, 906 with transmiss 711.6 (TSG 360)	ion		•		•									
G 1/15, 1/17, 1/18 ^{4.)} , G 2/24, 2/27, G 3 3/49, 3/50, 3/60 ^{4.)} , 3/61, 3/70 ^{4.)} , G 3/3/49, 3/50, 3/60 ^{4.)}		• 4.)		• 4.)		• 4.)								
G 1/D 14, G 3/45-6, 3/55-6, 3/65, 3/90, G 4/95-6, 4/95-7, 4/110-6, G 65-7, GO 3/60 GO 3/80, GO 4/95/105/120/130, GTO 24 GV 4/65-6, 4/95-6, 4/110-6),	•		•		•	• 5.)							
G 16/28/20/32/33					•									
G 56/60/85 ^{5.)} , ^{9.)} , G 70-6/71-6/90-6 ^{9.}),	• 6.)					• 7.)	•	•					
G 85hybrid major assembly model designation D715.068									•					

- 4.) Only for: G 1/18-5, G 3/50, G 3/60, G 3/70 without brass synchronization.
- 5.) Engine oils as per sheet 235.12, SAE 30 must be used for common oil circuit with ZF torque converter clutch 400.
- 6.) Only in temperate zones.

- 7.) Except in temperate zones, SAE 40.
- 8.) SAE 30.
- 9.) Sheet 235.1 is not permitted for cold countries (from -20 °C). Use sheet 235.41.

Commercial vehicles, vans - transmissions, s		•	Sheet No	. 235			
Major assembly SAE		.1	.5	.11	.12	.16	.41
	SAF	80W	80W				
	grade	Hot	Hot	75W-90	30, 40	75W-85	75kW-8
		zones	zones		33, 13		5
		90,	90,				
		85W-90	85W-90				
G 100/125/135 155/180/200		•	•	•	• 10.)		
GO 160/170/190/210/230/240/250		• 12.)	• 12.)	•			
G 140-8 major assembly model designation D715				•			
G 141-9 major assembly model designation D715							
G 100, G 131, G 210, G 221, G 240, G 140-8 ma		• 11.)	11.)	•			
assembly model designation D715.310, G 141-9 assembly model designation D715.571, G 211 m.							
assembly model designation D715.3571, G 211 III.	ajoi						
G 230 major assembly model designation D715.5	508.						
G 231 major assembly model designation D715.5							
G 241 major assembly model designation D715.5							
G 260 major assembly model designation D715.5	28/540,						
G 280 major assembly model designation D715.5							
G 281 major assembly model designation D715.3							
G 330 major assembly model designation D715.3	380						
Without code 07A (Powertrain Pack 1) up	r			•			
to manufacture date April 30, 2017 G 211 majo assembly model designation D715.352, G 230 m.							
assembly model designation D715.352, G 230 m assembly model designation D715.360, G 281 m							
assembly model designation D715.371, G 330 m							
assembly model designation D715.381	-,						
With code 07A (Powertrain pack 1) up				0		•	
to manufacturing date April 30, 2017 G 211 ma							
assembly model designation D715.352, G 230 m.							
assembly model designation D715.360, G 281 m.							
assembly model designation D715.371, G 330 m assembly model designation D715.381	ajoi						
As of manufacture date April 30,I 2017 G 211 r	maior			0		•	
assembly model designation D715.352, G 230 m							
assembly model designation D715.360, G 281 m							
assembly model designation D715.371, G 330 m.							
assembly model designation D715.381							
With fluid coupling or live power take-off G 28				•			
assembly model designation D715.371, G 330 m	ajor						
assembly model designation D715.381							

- 10.) Engine oils as per sheet 235.12, SAE 30 must be used for the common oil circuit with ZF torque converter clutch 400.
- 11.) Only in combination with oil cooler.
- 12.) Except in Latin America.

Commercial vehicles, vans - transmissions, s	heets 23	35.1 up to	235.	41									
,		Sheet No. 235											
		.1	.4	.5	.9	.11	.12	.27	.28	.29	.41		
	SAE	80W											
	grade	Hot zones 90, 85W-90				75W-90	30, 40						
ZF manual transmission		•	• 13.	•							•		
ZF manual transmission with ZF torque converte 400 MB transmission G240 with ZF torque convectutch 400							•						
ZF 95-1115 major assembly model designation D710.580/581/582											•		
Retarder (VOITH)*								•	•	•			
Sprintshift transmission						•							
AT 4 - axle drive					•								

13.) with secondary retarder.

*mileages for Voith retarder without commercial vehicle maintenance	ce computer, every	y 2 years at th	e latest
Mercedes-Benz Specifications for Operating Fluids	235.27	235.28	235.29
Voith	A oils	B oils	C oils
Long-distance haulage (driven distances over 80 %)	90,000 km	135,000 km	180,000 km
Climate conditions corresponding to Central Europe			
Distribution haulage (driven distances over 50 %)	65,000 km	90,000 km	135,000 km
Construction site vehicles and logging trucks	45,000 km	65,000 km	90,000 km
Routes with a high amount of downward slopes			
Used at heights over 1500 m above sea level MSL			
Regions with higher outside temperatures than Central Europe			
*mileage for Voith retarder without bus maintenance computer, ever	ry 2 years at the la	itest	
Mercedes-Benz Specifications for Operating Fluids	235.27	235.28	235.29
Voith	A oils	B oils	C oils
Intercity passenger transportation (driven distances over 80 %)	135,000 km	180,000 km	240,000 km
Climate conditions corresponding to Central Europe			
Regular service (local public transport stop & go)	90,000 km	120,000 km	180,000 km
Amount of time driven in urban traffic higher than 50 %			
Routes with a high amount of downward slopes	65,000 km	90,000 km	135,000 km
Used at heights over 1500 m above sea level MSL			
Regions with higher outside temperatures than Central Europe			

Major assembly	Sheet No. 236												238
	.1	.2	.3	.7	.8	.9	.11	.14	.15	.81	.82	.91	.22
Power steering system model 638, 639, 901, 902, 903, 904, 905, 906, 909			•										
MB manual transmission ^{15.)}		•											
G 1/15, 1/17, 1/18 G 2/24, 2/27 G 3/36, 3/40 G 3/50 G 3/60, 3/61 G 3/70													
MB power steering		•	•	•									
ZF power steering/Robert Bosch power steering			•	•									
HEMA steering, Shibao steering			•	•									
Hydrostatic fan drive for additional engine radiator		•	•										
Hydrostatic fan drive			•	•									
MB automatic transmission, except 722.6/9	•			•	•					•			
Automatic transmission 722.6								•					
Automatic transmission 722.9									•				
ZF FAT transmission 700.750 in model 910											•		
MB automatic transmission W 4 B 035 14.)				•									
Voith/ZF automatic transmission	•			•	•	•				•			
Allison transmission ^{15.)}						•						• 16.)	
Allison transmission												•	
3000 P major assembly model designation D723.677/678, 3000 PR major assembly model designation D723.693/694/695, 3500 P major assembly model designation D723.668/669												16.)	
Fluid coupling (code GK8 or G3Y)												•	•
ZF 4 HP 20							•						
AG 4													
- automatic part							•						
- final-drive assembly													
Hydraulic lowering system in model 905.613		•											

^{14.)} Only install W 4 B 035 as of major assembly end no. 00 57 33 and/or modified valve body assembly. ATFs acc. to sheets 236.1, 236.8, and 236.81 may not be used in W 4 B 035.

16.) Automatic transmission fluids (ATF), sheet 236.91 and TES 295 for Allison automatic transmission. This oil permits much longer oil change intervals, in particular for Allison transmissions.

^{15.)} For Allison transmissions, the application instructions on sheet 231.0 must be observed!