

**GREASE PERFORMANCE CLASSIFICATIONS
LB CHASSIS GREASE**

Test	Property	Acceptance Limits
D 217	Consistency, worked penetration, mm/10	220-340
D 566 or D 2265	Dropping point, °C, min	150
D 1742	Oil separation, mass %, max.	10
D 1743	Rust Protection, rating, max.	Pass
D 2266	Wear Protection, scar diameter, mm, max.	0.6
D2596	EP performance: load wear index, kgf, min. weld point, kgf, min.	30 200
D4170	Fretting Protection, mass loss, mg. max.	10
D4289	Elastomer SAE AMS 3217/3B Compatibility: volume change, % hardness change, Durometer-A points	0 - 40 -15 to 0
D4693	Low Temperature Performance torque at -40°C, N•m, max.	15.5

GC WHEEL BEARING GREASE

D 217	Consistency, worked penetration, mm/10	220-340
D 566 or D 2265	Dropping Point, °C, min.	220
D1264	Water Resistance at 80°C, %, max	15
D1742	Oil Separation, mass %, max.	6
D1743	Rust Protection, rating, max.	Pass
D2266	Wear Protection, scar diameter, mm, max.	0.9
D2596	EP Performance: load wear index, kgf, min. weld point, kgf, min.	30 200
D3527	High-temperature Life, hours, min.	80
D4289	Elastomer SAE AMS 3217/2A Compatibility: volume change, % hardness change, Durometer-A points	-5 to +30 -15 to +2
D4290	Leakage Tendencies, g, max.	10
D4693	Low Temperature Performance torque at -40°C, N•m, max.	15.5

GREASE PERFORMANCE CLASSIFICATIONS

CATEGORIES OF SERVICE GREASES

Category	Service	Service
LA <i>chassis</i>	Frequent relubrication intervals (<3200km). Mild duty (non-critical applications).	Oxidation resistant, shear stable and corrosion and wear protective.
LB <i>chassis</i>	Prolonged relubrication intervals (>3200km). Mild to severe duty (high loads, vibration, exposure to water).	Oxidation resistant, shear stable, and corrosion and wear protective even under heavy loads and in presence of aqueous contamination. Temperature range -40°C to 120°C.
GA <i>wheel bearings</i>	Frequent relubrication intervals Mild duty (non-critical applications).	Temperature range -20°C to 70°C.
GB <i>wheel bearings</i>	Mild to moderate duty (cars, trucks in urban and highway service).	Oxidation and evaporation resistant, shear stable, and corrosion and wear protective. Temperature range -40°C to 120°C with occasional excursions to 160°C.
GC <i>wheel bearings</i>	Mild to severe duty (vehicles in frequent stop-and-go service, trailer hauling, mountain driving, etc).	Oxidation and evaporation resistant, shear stable, and corrosion and wear protective. Temperature range -40°C to 120°C with frequent excursions to 160°C and occasional excursions to 200°C.

NLGI GREASE CLASSIFICATIONS

Grade No.	ASTM Worked Penetration @ 25°C
000	445-475
00	400-430
0	355-385
1	310-340
2	265-295
3	220-250
4	175-205
5	130-160
6	85-115