



## DOMINATOR® Synthetic Racing Grease

### Exceptional High-Speed/High-Temperature Performance

AMSOIL DOMINATOR® Synthetic Racing Grease is engineered to protect high-performance bearings and chassis components in racing applications operated on snow, dirt, water or track. It provides superior protection for bearings operating under high-speed, high-heat and heavy-load conditions.

#### Anti-Wear Performance

DOMINATOR Racing Grease is engineered with extreme-pressure additives to deliver excellent wear protection in heavily loaded, high-speed racing applications. Its high-performance anti-wear additive package helps ensure long component life.

#### Friction Reduction

Because it effectively reduces friction, DOMINATOR Racing Grease not only inhibits wear, it also maximizes power through-put and fuel efficiency. Its superior friction-reduction properties help ensure race vehicles operate at peak performance.

#### Load Capacity

Although DOMINATOR Racing Grease is specially formulated for high-temperature/high-speed applications, it also delivers superior protection for low-speed bearings, providing racing components with the exceptional load-bearing capacity of a heavy-duty grease.

#### All-Temperature Protection

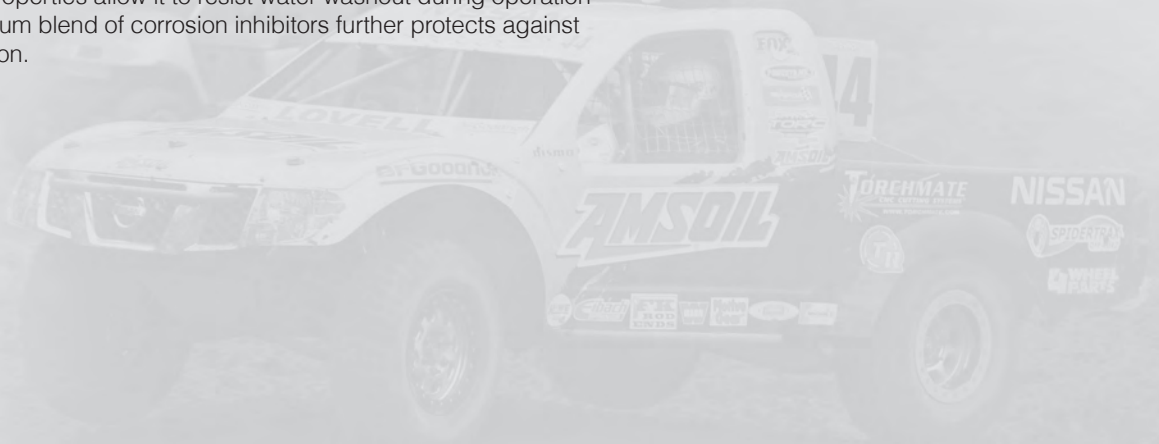
DOMINATOR Racing Grease pairs a high-viscosity-index synthetic base oil with a top-quality lithium complex thickener known for its extraordinary performance in temperature extremes. It offers excellent low-temperature pumpability and high-temperature consistency for dependable protection in all temperatures.

#### Resists Oxidation, Corrosion & Washout

DOMINATOR Racing Grease contains a robust package of oxidation inhibitors, helping prevent grease breakdown and component surface damage. Its excellent adhesion and cohesion properties allow it to resist water washout during operation in wet conditions. A premium blend of corrosion inhibitors further protects against rust and corrosion formation.



NLGI #2  
GC-LB



**TYPICAL TECHNICAL PROPERTIES**  
**DOMINATOR Synthetic Racing Grease (GRG)**

	<b>DOMINATOR Synthetic Racing Grease</b>	<b>NLGI GC-LB</b>
Thickener . . . . .	Lithium Complex	NR*
NLGI Consistency Grade . . . . .	.2 EP	NR*
NLGI Performance Grade. . . . .	GC-LB	NR*
Penetration (ASTM D 217) 25°C (77°F), 0.1 mm		
Worked 60 Strokes . . . . .	265-295	220-340
Dropping Point (ASTM D 566) °C (°F) . . . . .	288 (550)	220 (428)
High-Temperature Life (ASTM D 3527) hours . . . . .	100	80 min
Water Washout (ASTM D 1264) 79°C (175°F) % loss . . . . .	5.0	15 max
Water Spray Off (ASTM D 4049), % max . . . . .	18.0	NR*
Rust and Corrosion (ASTM D 1743) . . . . .	pass	pass
Oil Separation (ASTM D 1742)		
24 hr. @ 25°C (77°F), % loss. . . . .	2.8	10 max
Leakage (ASTM D 4290), g*. . . . .	5.0	10 max
Four-Ball Wear Test , mm scar (ASTM D 2266) . . . . .	0.52	0.9 max
Four-Ball EP, kgf (ASTM D 2596)		
Weld Point . . . . .	400	200 min
Load Wear Index. . . . .	.41	30 min
Timken OK Load Test (ASTM D 2509), lbs. . . . .	.60	NR*
Fretting Wear (ASTM D 4170), mg.*. . . . .	8.5	10 max
Low-Temperature Torque (ASTM D 4693)		
N•m @ -40°C (-40°F) . . . . .	7.2	15.5
Elastomer Compatibility (ASTM D 4289)		
Volume change, %, GC . . . . .	21.6	-5 to +30
Volume change, %, LB . . . . .	9.8	0 to +30
Hardness change, durometer-A points, GC. . . . .	-4	+2 to -15
Hardness change, durometer-A points, LB . . . . .	-6	0 to -10

\*NR: Not Required for NLGI GC or LB labeling.

**APPLICATION MAINTENANCE**

Maintaining a clean work environment is important when equipment greasing is performed. Wipe grease fittings clean prior to injecting grease to prevent contaminant ingestion. Maintain bearing housings one-third to one-half full of grease. Do not over-grease, as excessive heat buildup can result. Supplement standard grease maintenance by periodically cleaning and packing housings with fresh grease on an established maintenance schedule.

**Compatibility**

DOMINATOR Synthetic Racing Grease is compatible with many other types of greases. However, it is recommended that when changing greases, the equipment be cleaned of the old grease when possible or flushed with a liberal amount of DOMINATOR Synthetic Racing Grease while the mechanism

is in operation. Closely monitor the system for any inconsistencies. Grease compatibility questions should be referred to your AMSOIL representative or AMSOIL INC.

**AMSOIL PRODUCT AVAILABILITY**

DOMINATOR Synthetic Racing Grease is available in 14-oz. cartridges.

**AMSOIL PRODUCT WARRANTY**

AMSOIL products are backed by a Limited Liability Warranty. For complete information visit [www.amsoil.com/warranty.aspx](http://www.amsoil.com/warranty.aspx).



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<https://syntheticmotoroil.org>  
 Online Store: <https://amsoilstore.syntheticmotoroil.org>

AMSOIL products and Dealership information are available from your local full-service AMSOIL Dealer.

Phone Orders: (800) 956-5695  
 Customer Referral Number: 1254295  
 Store Hours: M-F 9AM-6PM Central Time  
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