



**Grease Product Comparison Chart**



## Grease Compatibility Chart

| Legend:<br><br>B = Borderline<br>C = Compatible<br>I = Incompatible | Thickener Type                   | Aluminum Complex                                    | Barium Complex | Calcium Stearate | Calcium 12 Hydroxy | Calcium Complex                      | Calcium Sulfonate Complex | Clay (non-soap) | Lithium Stearate | Lithium 12 Hydroxy | Lithium Complex                              | Lithium-Calcium | Polyurea (conventional) | Polyurea (shear stable*) | Sodium |
|---------------------------------------------------------------------|----------------------------------|-----------------------------------------------------|----------------|------------------|--------------------|--------------------------------------|---------------------------|-----------------|------------------|--------------------|----------------------------------------------|-----------------|-------------------------|--------------------------|--------|
|                                                                     |                                  | 1                                                   | 2              | 3                | 4                  | 5                                    | 6                         | 7               | 8                | 9                  | 10                                           | 11              | 12                      | 13                       | 14     |
| AFC                                                                 | 14                               | I                                                   | I              | I                | I                  | I                                    | I                         | I               | B                | I                  | B                                            | I               | I                       | C                        | C      |
| Caliber™ 3M and 5M                                                  | 10                               | C                                                   | I              | C                | C                  | C                                    | C                         | I               | C                | C                  | C                                            | C               | I                       | C                        | B      |
| Caliber™ 460 M                                                      | 10                               | C                                                   | I              | C                | C                  | C                                    | C                         | I               | C                | C                  | C                                            | C               | I                       | C                        | B      |
| Caliber™ Blue                                                       | 11                               | I                                                   | I              | B                | C                  | I                                    | B                         | I               | C                | C                  | C                                            | C               | I                       | C                        | I      |
| Caliber™ Blue HS                                                    | 9                                | I                                                   | I              | B                | C                  | I                                    | B                         | I               | C                | C                  | C                                            | C               | I                       | C                        | I      |
| DET 900                                                             | N/A                              | DET 900 should not be mixed with other grease types |                |                  |                    |                                      |                           |                 |                  |                    |                                              |                 |                         |                          |        |
| Dura-Film™ XD                                                       | 6                                | B                                                   | C              | C                | B                  | I                                    | C                         | I               | B                | B                  | C                                            | B               | I                       | C                        | I      |
| Earthkeeper® EP                                                     | 6                                | B                                                   | C              | C                | B                  | I                                    | C                         | I               | B                | B                  | C                                            | B               | I                       | C                        | I      |
| Legacy™ EP & Legacy™ M                                              | 1                                | C                                                   | I              | I                | C                  | I                                    | B                         | I               | I                | I                  | C                                            | I               | I                       | C                        | I      |
| Matrix® EP and Matrix® LC                                           | 6                                | B                                                   | C              | C                | B                  | I                                    | C                         | I               | B                | B                  | C                                            | B               | I                       | C                        | I      |
| Medallion™ FM                                                       | 1                                | C                                                   | I              | I                | C                  | I                                    | B                         | I               | I                | I                  | C                                            | I               | I                       | C                        | I      |
| Moly P                                                              | 11                               | I                                                   | I              | B                | C                  | I                                    | B                         | I               | C                | C                  | C                                            | C               | I                       | C                        | I      |
| Novagard™                                                           | 1                                | C                                                   | I              | I                | C                  | I                                    | B                         | I               | I                | I                  | C                                            | I               | I                       | C                        | I      |
| Novatemp™                                                           | 1                                | C                                                   | I              | I                | C                  | I                                    | B                         | I               | I                | I                  | C                                            | I               | I                       | C                        | I      |
| Omnilith™ 360                                                       | 9                                | I                                                   | I              | B                | C                  | I                                    | B                         | I               | C                | C                  | C                                            | C               | I                       | C                        | I      |
| Omnilith™ 500                                                       | 10                               | C                                                   | I              | C                | C                  | C                                    | C                         | I               | C                | C                  | C                                            | C               | I                       | C                        | B      |
| Omnilith™ GL                                                        | 10                               | C                                                   | I              | C                | C                  | C                                    | C                         | I               | C                | C                  | C                                            | C               | I                       | C                        | B      |
| Omnilith™ MB                                                        | 10                               | C                                                   | I              | C                | C                  | C                                    | C                         | I               | C                | C                  | C                                            | C               | I                       | C                        | B      |
| Omnitask™                                                           | 1                                | C                                                   | I              | I                | C                  | I                                    | B                         | I               | I                | I                  | C                                            | I               | I                       | C                        | I      |
| Omnitemp™                                                           | 7                                | I                                                   | I              | I                | I                  | I                                    | I                         | C               | I                | I                  | I                                            | I               | I                       | I                        | I      |
| Onyx™                                                               | 6                                | B                                                   | C              | C                | B                  | I                                    | C                         | I               | B                | B                  | C                                            | B               | I                       | C                        | I      |
| Condition/Application                                               | Top Choices                      |                                                     |                |                  |                    | Condition/Application                |                           |                 |                  |                    | Top Choices                                  |                 |                         |                          |        |
| Automotive                                                          | Omnilith™ GL 2                   |                                                     |                |                  |                    | High Speed Bearings                  |                           |                 |                  |                    | Omnilith™ LT, Legacy™ EP                     |                 |                         |                          |        |
| Biodegradable                                                       | Earthkeeper® EP 2                |                                                     |                |                  |                    | High Temperatures                    |                           |                 |                  |                    | Matrix® EP, Omnitemp™, Novatemp™, DET 900    |                 |                         |                          |        |
| Caterpillar Equipment (Meets CAT® Specification)                    | Caliber™ 3M<br>Caliber™ 5M       |                                                     |                |                  |                    | Low Cost/Good Performance            |                           |                 |                  |                    | Caliber™ Blue, Caliber™ Blue HS, Matrix® LC  |                 |                         |                          |        |
| Chemical Resistance                                                 | DET 900<br>Matrix® EP 2          |                                                     |                |                  |                    | Low Temperatures (~40°)              |                           |                 |                  |                    | Legacy™ EP 1, Novagard™ EP 0, Omnilith™ LT 0 |                 |                         |                          |        |
| Couplings                                                           | Vortex™                          |                                                     |                |                  |                    | Multipurpose                         |                           |                 |                  |                    | Matrix® LC, Matrix® EP, Omnilith™ 500        |                 |                         |                          |        |
| Electric Motor Bearings                                             | Omnilith™ MB                     |                                                     |                |                  |                    | Steel Mill Roll Stands               |                           |                 |                  |                    | Caliber™ Blue, Onyx™                         |                 |                         |                          |        |
| Food Machinery                                                      | Medallion FM Grease              |                                                     |                |                  |                    | Water Resistance (Bearings)          |                           |                 |                  |                    | Matrix® EP, Onyx™                            |                 |                         |                          |        |
| High Load/Shock Load/Slow Speed                                     | Matrix® EP, Omnilith™ 500, Onyx™ |                                                     |                |                  |                    | Water Resistance (Open Applications) |                           |                 |                  |                    | Onyx™, Vortex™                               |                 |                         |                          |        |



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