

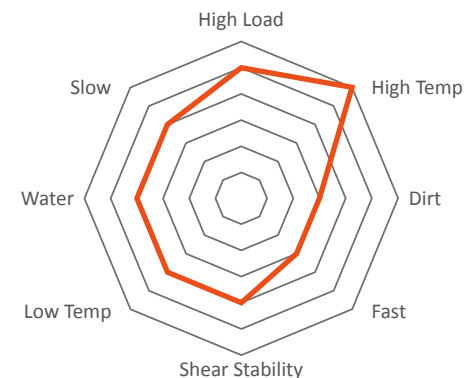
High Temperature Conditions

General Info on Conditions and Typical Applications:

| | |
|-------------------------------|---|
| Where: | Cement processing, metalworking, paper processing |
| Typical applications: | Ball bearings, kilns, roller bearings, etc. |
| Important product properties: | Thermal and oxidative resistance Shear stability |

High temperature conditions are present in many industries where running and/or peak temperatures exceed 120°C. These conditions can cause the lubricant to soften or degrade with the consequence of improper lubrication eventually resulting in component damage. An appropriate lubricant can aid these challenges with its ability to withstand shear and thermal degradation. Peak temperatures exceeding recommended temperature range require frequent re-lubrication.

Key Performance Aspects

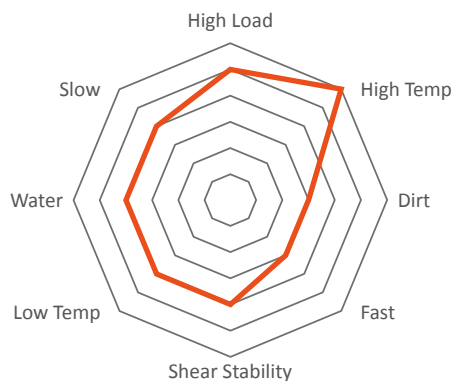


| | | AXEL Product | Colour | Thickener | NLGI | DP (°C) | BO type | BOV | Solids | T-range (°C) | Approvals |
|----------------------|--|-------------------------|--------|-----------|------|---------|---------|-----|--------|--------------|---------------------------|
| OPTIMAL PERFORMANCE | | Axellence 752 HT | | Li-X | 2 | >260 | Ester | 177 | - | -20 to +160 | - |
| | | Christolix 142 EP Green | | Li-MS-X | 2 | >250 | Min | 130 | - | -30 to +160 | - |
| | | Stabox 9415 | | PTFE | 1,5 | N/A | PFPE | 150 | - | -20 to +200 | - |
| IMPROVED PERFORMANCE | | Axellence 6525 EPB | | Li-X | 2,5 | >260 | PAO | 220 | - | -40 to +150 | - |
| | | Axellence 662 EPB | | Li-X | 2 | >260 | PAO | 460 | - | -40 to +150 | - |
| | | Calsullence 152 WR | | Ca-S-X | 2 | >280 | Min | 290 | - | -30 to +140 | - |
| | | Dubbilit 6615 EP | | Li-B-X | 1,5 | >260 | PAO | 460 | - | -40 to +150 | - |
| GOOD PERFORMANCE | | Axellence 152 EP | | Li-X | 2 | >260 | Min | 200 | - | -30 to +140 | GC-LB VOLVO Std 1277.2 |
| | | Axellence 2615 EPHT | | Li-X | 1,5 | >260 | Min/Pol | 550 | - | -20 to +140 | - |
| | | Claytac 642 | | Clay | 2 | N/A | PAO | 120 | - | -30 to +140 | - |
| | | Dubbilit 2615 EP | | Li-B-X | 1,5 | >260 | Min/Pol | 520 | - | -20 to +150 | - |

High Temperature Conditions

| | | AXEL Product | Product Properties | Sample Applications | Sample Industries |
|----------------------|--|-------------------------|--------------------|--|-------------------|
| OPTIMAL PERFORMANCE | | Axellence 752 HT | | Lightly loaded bearings and augers operating at high temperatures | |
| | | Christolix 142 EP Green | | Moderately loaded oven fans and other medium speed bearings operating at high temperatures | |
| | | Stabox 9415 | | Moderately loaded bearings and components operating at very high temperatures or in direct contact with oxygen | |
| IMPROVED PERFORMANCE | | Axellence 6525 EPB | | Heavily loaded wheel bearings in commercial vehicles | |
| | | Axellence 662 EPB | | Wide variety of heavily loaded bearings operating at high temperatures or low speeds | |
| | | Calsullence 152 WR | | Extremely loaded continuous casters and pellet presses operating at high temperatures or wet environments | |
| | | Dubbilit 6615 EP | | Heavily loaded bearings applications operating at high temperatures and low speeds | |
| GOOD PERFORMANCE | | Axellence 152 EP | | Wide variety of moderately loaded bearings, wheel bearings | |
| | | Axellence 2615 EPHT | | Moderately loaded low speed continuous casters and pellet presses operating at high temperatures or wet environments | |
| | | Claytac 642 | | Lightly loaded fan bearings in ovens and kilns operating at high temperature | |
| | | Dubbilit 2615 EP | | Heavily loaded bearings applications operating at high temperatures and low speeds | |

Key Performance Aspects



Product Properties Key

| | | | | | |
|----------------------|------------------|-------------|------------------|---------------------|-----------------|
| Central Lubrication | Environmental | Heavy Loads | High Temperature | Multipurpose | Water Resistant |
| Corrosion Protection | Extreme Pressure | High Speed | Low Temperature | Special Application | |

Sample Industries Key

| | | | | | |
|-------------|--------------|----------|--------|----------------|-------|
| Agriculture | Cement | Forestry | Marine | Off-Road | Steel |
| Auto | Construction | Industry | Mining | Pulp and Paper | |