

When the going gets tough...



...THE TOUGH GETS BETTER. AT LEAST, THAT'S ONE WAY OF DESCRIBING THE PERFORMANCE OF CASTROL SPHEEROL LCX6002 GREASE, WHICH ACTUALLY REACTS WITH WATER TO BECOME TACKIER WHEN USED IN WET CONDITIONS.



The conditions in a quarry are tough for everyone – men and machines. The nature of the environment means abrasive dust and dirt, and exposure to heat or cold and wet, are ever-present. Then the nature of the processes and applications means equipment is subjected to heavy and shock loads, in addition to being required to operate at full capacity for long periods, ideally with minimum maintenance downtime.

Bearings are particularly susceptible to the arduous operating conditions, yet they are essential components in all kinds of equipment found in quarries and mines: from conveyors to drum rollers, bulldozers to mechanical shovels and loaders, and from hinge pins to bucket pins. So a product which promises exceptional long bearing life compared with competitive greases has to be worth a closer look.

Castrol Spheerol LCX6002 has been designed specifically for arduous bearing applications in contact with water, dust, and slow- to medium-speed heavy loads.

It is a lithium complex grease, which consists of a unique combination of polymeric and Extreme Pressure (EP) additives. This formula maintains mobility, but at the same time builds tack and adhesion in wet conditions, through its trademarked Hydro-

Activation™ technology. In other words, when the conditions become wetter the grease becomes tackier and more resistant to washout and water contamination. This has been proven in extensive field testing, which has demonstrated the outstanding 'stay in place' performance of Spheerol LCX 6002, in all environments.

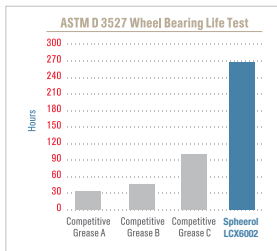
The highly refined mineral base stock of Spheerol LCX6002 has a viscosity of 600 cSt at 40°C. This provides the excellent hydrodynamic protection and exceptional water resistance, and enables the grease to stay in NLGI grade even when water contamination is as high as 20% by weight.

This outstanding water resistance is one of the reasons that Spheerol LCX6002 helps

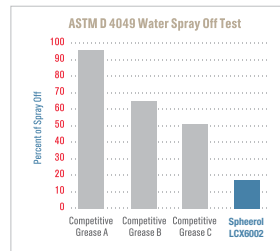
to reduce grease consumption and lengthen regrease intervals. At the same time, the grease's excellent oxidation resistance characteristics enable it to operate for extended periods in a wide range of climates. This means, in turn, less equipment downtime and maximised equipment uptime, helping to maintain optimum machine productivity.

In fact, as the graphs below show, Castrol Spheerol LCX6002 delivers almost twice the level of anti-wear performance of a typical multi-purpose EP grease – under varying loads, temperatures and working conditions.

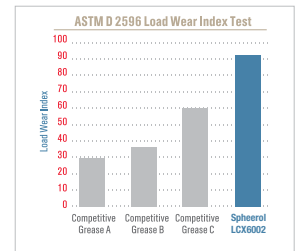
Available in 180kg DRT, 50kg keg, 18kg keg and 30 x 400g cartridges, Spheerol LCX6002 will be showcased on the Castrol stand at Hillhead 2012 in June.



ASTM D 3527 measures the high-temperature performance of a grease in wheel bearings. Spheerol LCX6002 provides more than double the bearing life than its closest competitor.



NLGI #2 experiences a low 18% water spray off. Competitive greases have as much as 96% spray off.



Spheerol LCX6002 delivers almost twice the level of anti-wear performance when compared to a typical multi-purpose EP grease as measured by the ASTM D 2596 test.

