

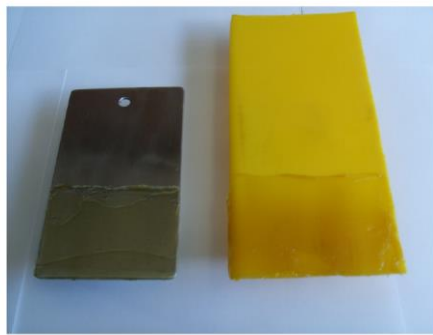
Technical Bulletin

LAB 450

Hot Tank Cleaner for Aluminium Components

Product Description:

LAB 450 is a non corrosive hot tank cleaner for aluminium engine parts. The product can be used for the aviation, transport and automobile rebuilding operations and is a biodegradable product. Now formulated with the latest in European degreasing surfactant technology, more powerful non solvent surfactants that strip out greases and oils. Provides up to 25% more efficient degreasing capability in Castle standard laboratory testing using wheel and molybdenum type greases. LAB 450 is described as a 'Quick Break Detergent' and has been tested to break within the 20 minute parameter. Now with added flash corrosion inhibitor for steels and iron alloys to quickly passivate clean degreased steel surfaces.



Before: HP Bearing Grease



After LAB 450 clean



New (left) vs. old formulation, cleaned in Lab 450, rinsed and left to air dry and age for 4 weeks.

Application:

PURPOSE: LAB 450 can be used to clean aluminium and other reactive metals because this will not etch, corrode or damage them in any way. LAB 450 is also an effective cleaner of steel, cast iron, copper and other alloys and metals. So no matter what parts require cleaning and no matter what metals they are made of, LAB 450 will clean them - pistons, oil pans, engine blocks, transmission housings, G.M blowers, cases and rotors, carburettors, generator frames. **LONG TANK LIFE:** LAB 450 is non dusting and does not harden in containers. It remains in its original powdery state. LAB 450 dissolves quickly in hot water into a clean, stable solution that will not sludge or salt out. **CONCENTRATION AND USAGE:** LAB 450 can be used from 10 grams to 38 grams per litre of water at 85oC in a mild steel tank at the normal heat and strength. It will remove soils in 45 to 95 minutes without agitation.

SHELF LIFE: As a quality assured manufacturer, Castle Chemicals has a stringent Quality assurance programme. As part of this regime, the label on this product shows a batch number and date of manufacture. This product has a shelf life of 24 months from the label printed date of manufacture. This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Castle Chemicals assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of material.

Page 1 of 1