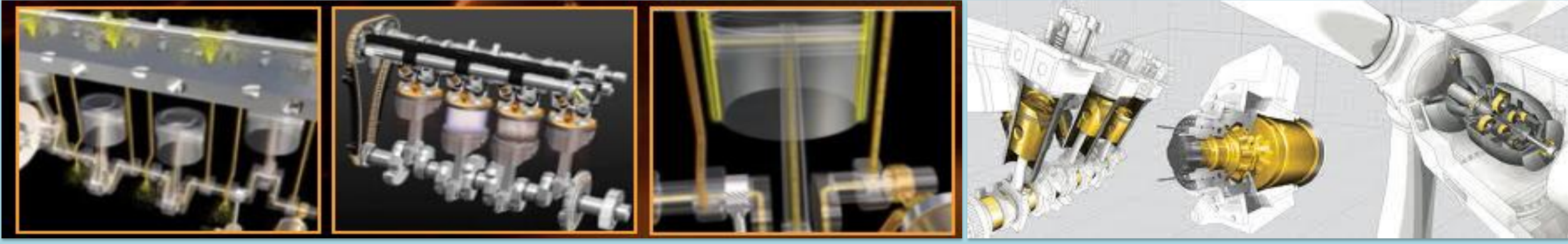


Doç. Dr. MÜKEREM ŞAHİN

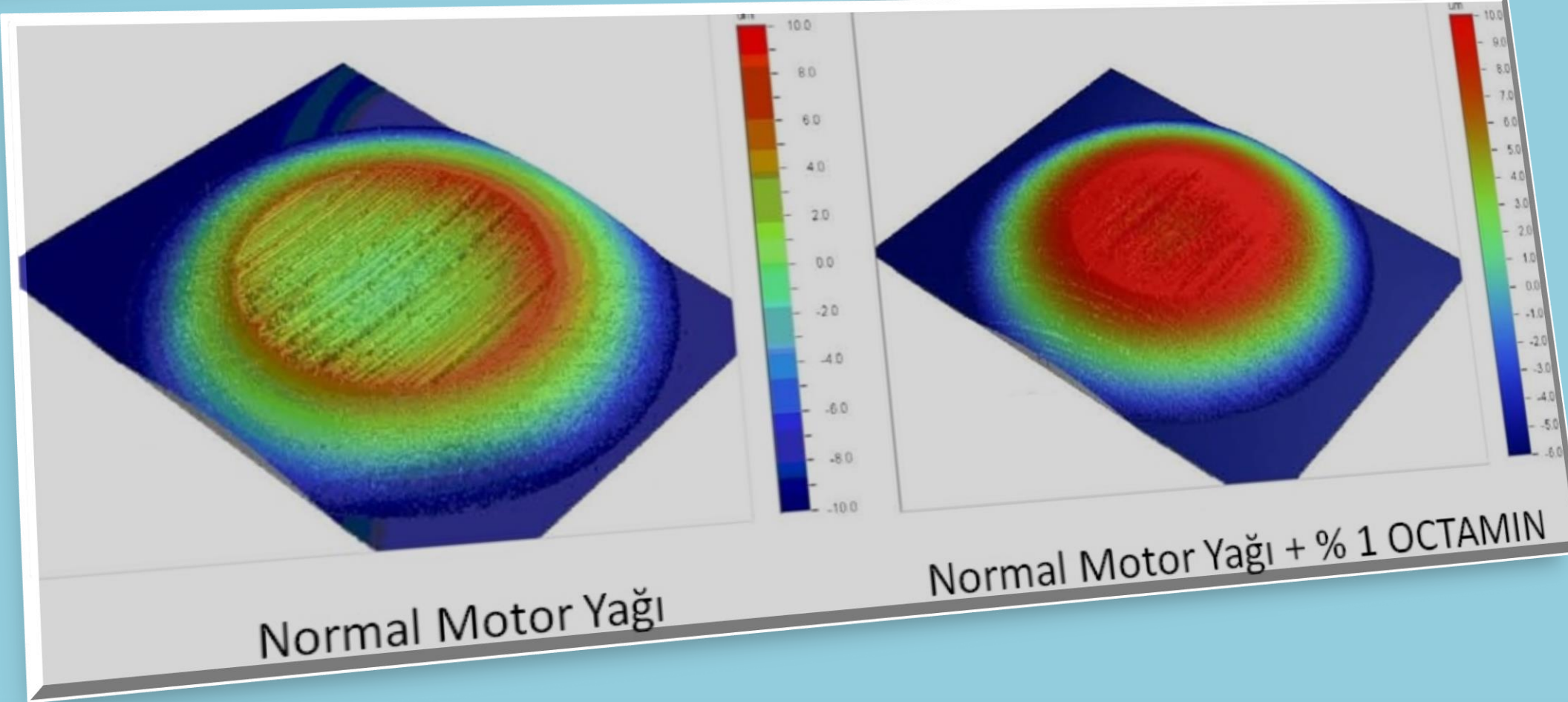
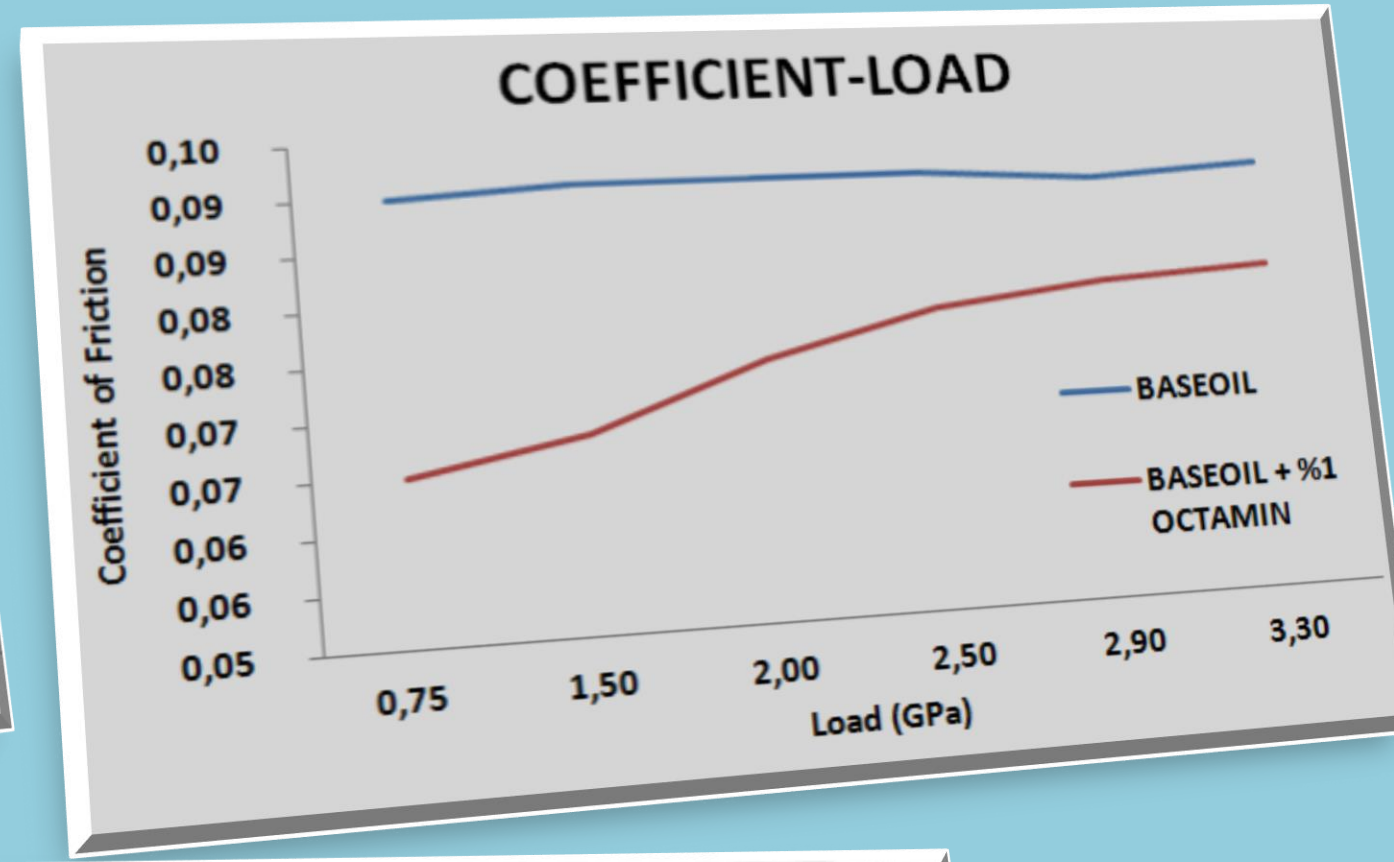
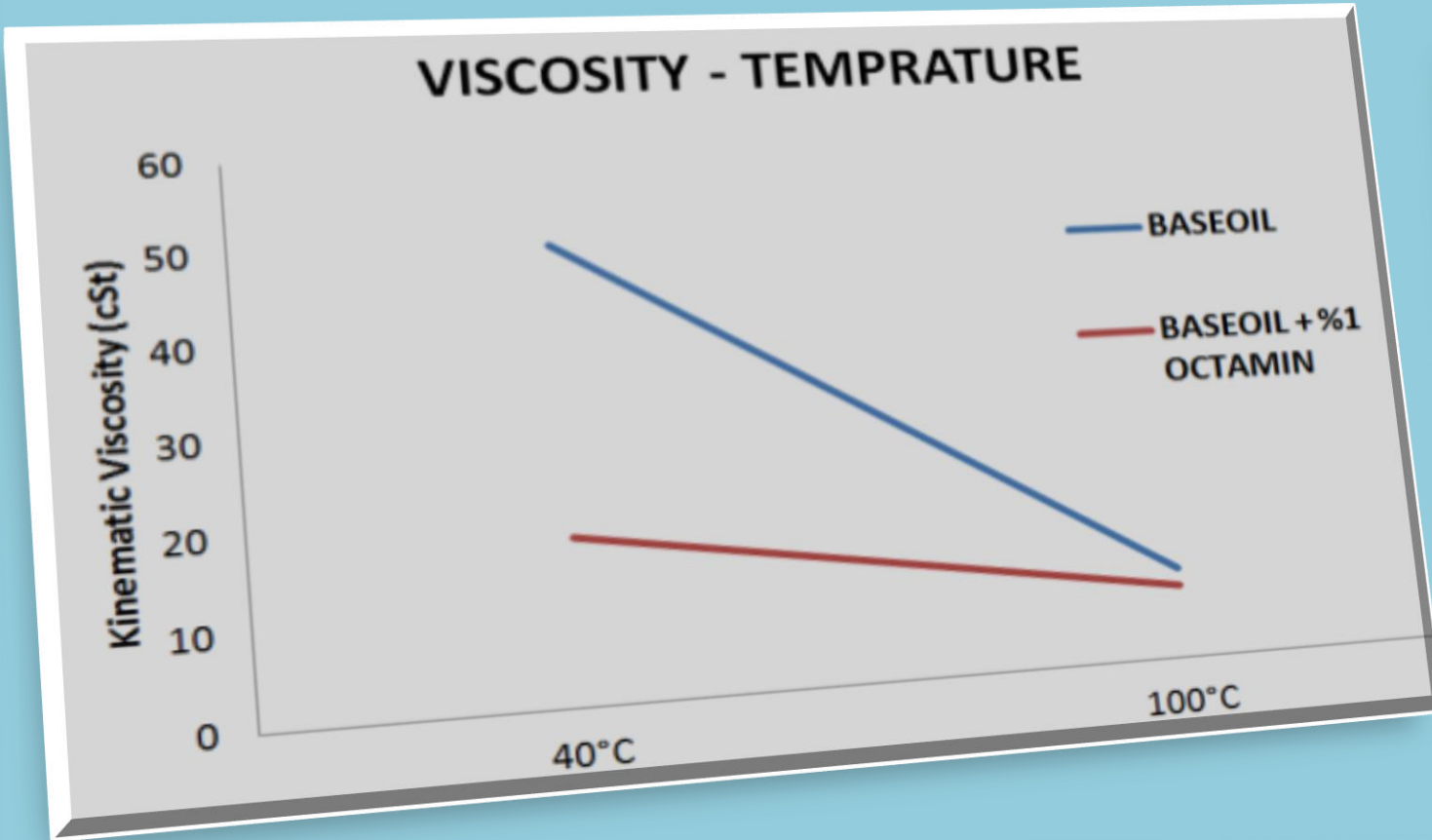
Yıldırım Beyazıt Üniversitesi Mühendislik Ve Doğa Bilimleri Fakültesi, Ankara Türkiye , HB Grup Kimya Ve Teknoloji Ltd. Şti.

Research activities done by several institutions around the world shows that approximately one third of the produced energy is being wasted due to friction. TRIBOLOGY; a new scientific discipline that is performing research on friction and lubrication.

In practice, various measures are taken to avoid friction and the wear in the metal to metal contacting environments. Lubrication is the most common method. Lubrication is one of the most important procedure in the mechanical assembly of the vehicles to reduce the friction. Lubricants with the suitable thickness and viscosity are selected for the engines and transmission boxes depending on the type of the vehicles.



Special chemical additives, so called LUBRICANTS are added in to the oils to increase the effectiveness. Lubricants are Nitrogen, Phosphor and Boron containing organic or inorganic materials that have higher boiling point, reducing friction coefficient via creating the thin film coating, increases thermal resistance and reducing wears.



OCTAMİN is a solid particle-free, liquid lubricant developed by HB Chemistry and Technology as a result of R&D efforts with the support of expert researchers in the field. OCTAMİN has a thin and durable film coating property on the rubbing metal surfaces with the Nitrogen containing special aromatic compounds in its structure.

HB GROUP Chemistry and Technology is a foundation which is established with the partnership of expert scientists in the field on the purpose of developing goods with the R&D efforts based on Hydrogen and Boron technologies.

