Article published on December 7th 2011 | Business

Aviation and the aerospace industry present the most challenging conditions that man has ever sunk his feet into. Every component that goes into the machines that transports payloads in this industry has to be tested over and over again in terms of safety, reliability and efficiency. But at the end of the day safety, reliability and efficiency are the main reasons why the aviation and aerospace industry have come this far.

As most of us know, both aircrafts and spacecrafts use highly reliable components and parts that have been tested time and again. The reason for that is because at the edge of space there is no room for error. The tiniest of design or production flaws can lead to grave disasters and the loss of human lives. The aviation and aerospace industry have therefore been the benchmarks for testing any sort of equipment for its reliability and strength.

The components that go into aircrafts and spacecrafts are often made of high grade precious metals which are designed well even to the tiniest of details. Such mechanical components also need to be well lubricated to perform various manoeuvres in the atmosphere as well as in space. Temperatures experienced by such crafts often reach the upper and lower ends of the scale; which means that the mechanical parts with the right lubrication should perform flawlessly under such circumstances.

Aerospace greases and lubricants since the 1960â€™s have been specifically designed, keeping in mind such harsh conditions. Be it for tools or for mechanicals, performance lubricants for the aerospace and aviation industry have been designed keeping in mind high vacuum and extreme temperatures and components that are exposed to fuels and radiation in space and high up in the atmosphere. Synthetic lubricants today are well engineered to retain their viscosity and lubricity at a much wider temperature range.

Even the aviation industry has been catered to; by helping them when it comes to non-toxic, non-flammable, inert and non-evaporative greases keeping them safe up in the air and even in the event of an accident.

Global Trust Enterprises a trusted name when it comes to greases and lubricants in the Middle East and North Africa Region (MENA). They are a general trading company in Dubai operating out of the Jebel Ali Free Zone (JAFZA). With their highly experienced staff and wide global network coupled with a massive inventory, they cater to their clients with nothing but the best in quality; be it industrial chemicals, greases, lubricants or equipment. To learn more about Global Trust Enterprises and their wide variety of products, kindly visit them online at: www.globaltrustenterprises.com

Article Source:
http://www.articleside.com/business-articles/why-aviation-and-aerospace-lubrication-exist.htm - Article Side

Tobby Heldson - About Author:
Shang is the marketing manager for Global Trust Enterprises FZCO an ISO9001 general trading company. We are leading supplier of a wide range of products catering primarily to the

Article Keywords:
greases and lubricants in the Middle East, Dubai general trading company, aerospace performance lubricants, Aviation performance lubricants, aerospace lubrication, aviation lubrication

You can find more free articles on Article Side. Sign up today and share your knowledge to the community! It is completely FREE!