

Sinopec Renders Lubricant Guarantee for Manned Space Flight by Shenzhou VII Spacecraft

In the evening of 25 September 2008, the launch of the manned Shenzhou VII spacecraft turned out a huge success.

As a pioneer player in China's pillar industry of petrochemicals, Sinopec has been conferring generous support to the country's space aeronautics sector. As regards the launch of Shenzhou VII, Sinopec's Great Wall aeronautical lubricant products have rendered, as ever, a solid guarantee. To be specific, Great Wall aeronautical lubricant products have been applied not only on original work items, but also on newly added ones. Great Wall Lubricant Company has developed through single-handed research 4 major categories, including over 50 varieties, of aeronautical lubricant products, including aeronautical engine oil, aeronautical hydraulic oil, aeronautical apparatus grease, aeronautical lubricating grease, etc., and has rendered a lubricant guarantee directly for multiple core systems of the Shenzhou VII Spacecraft, such as the propulsion system, control system, navigation system, return cabin, orbit cabin, air brake cabin, astronaut space suit, and life support system, etc. Meanwhile, a lot more Great Wall lubricant products have been widely applied in the aeronautics-supporting realms.

During the course of Shenzhou VII astronaut's activities outside the cabin, the newly supplied Great Wall aeronautical lubricant products have helped solve certain tricky technical problems. First, they rendered a lubricating and sealing guarantee for the outer cabin door; second, they rendered a lubricating and sealing guarantee for the astronaut space suit; third, they offered a life support system which functions in the hyper-vacuum outer space featuring an ultra-low temperature and strong radiation. Among others, the lubricating materials which are used in the pipelines of the respiratory system of the astronaut space suit have featured such traits as environment friendliness, low evaporation and null poison/harm as well.

Sinopec has been actively honoring its responsibilities to the society and endeavoring to contribute as much as possible to the growth of China's space aeronautics sector.