



58 Garnock Avenue
Toronto, ON, Canada M4K 1M2
Phone: 416 466-3144 toll free 888 442-5008
Fax: 416 466-3807 www.fluidcenter.com

'Providing Tribological Solutions'

NEWS RELEASE US EXECUTIVE ORDER 13514

In October 2009, President Obama issued Executive Order (EO) 13514 calling on Federal agencies to establish an integrated strategy towards sustainability and to prioritize the reduction of GHG (green house gas) emissions. Among other initiatives, the EO requires agencies to advance sustainable acquisition to ensure that 95% of Federal purchases are "energy-efficient, water-efficient, biobased, environmentally preferable, non-ozone depleting, contain recycled content, or are non-toxic or less-toxic alternatives."

The above was extracted from the December, 2010 TerraChoice newsletter.

VSG[®] grease can help US Federal Agencies meet these objectives for the following reasons;

1. VSG grease is mainly canola oil, which is biobased and sustainable.
2. VSG grease has a lower aquatic toxicity (LC50) than the mineral oil based alternatives that have been tested.
3. Some users have reported that they can use much less VSG so this could contribute to a reduction of GHG (greenhouse gas emissions) because less would be released during the manufacturing.
4. It is also possible that VSG is more energy efficient because it can perform better in the applications so that less energy is required to operate the gates and possibly the reliability can be better because of the superior performance and better corrosion characteristics.
5. If the gates work better VSG can also be more "water efficient".
6. VSG also meets one of the criteria given in the VGP for being non bio accumulative. The n-octanol water partition coefficient being <3.0.

VSG is also a known product and has been in use for over 15 years. It is currently being used by many US utilities including the Bureau of Reclamation, The Army Corps of Engineers and the TVA.

VSG is available in tubes, pails, kegs and drums. Please contact us if you require specific references.