

## **Recommended Fuels for Norvel Vmax-6 Helicopter Engines**

Certain brands of model engine fuel contain chemical additives that can foul the glow plug on the Norvel Vmax-6 engine. Sometimes engines operated on these fuels will run well for a flight or two, but then lose power. Sometimes engines will not start at all. These problems are commonly caused by contaminants that coat the glow plug coil and prevent the glow plug from operating properly. Common fuel contaminants include fuel additives that are meant to keep large engines from rusting.

The following brands of fuel are known to foul glow plugs on Norvel Vmax-6 engines (do **not** use these fuels):

- 1) **Byron's standard fuels**
- 2) **Powermaster fuel**

The following fuels are recommended (many other fuels will work as well):

- 1) **Norvel NVX 15% to 25% nitro**
- 2) **Morgan's Omega 15% nitro**
- 3) **Sig Champion Racing Fuels, 15% to 25% nitro**
- 4) **Byron's 25% nitro 1/2A Blend**

## **Do Not Use Fuels Containing Only Synthetic Oils**

Some brands of fuel contain only synthetic oils that break down at relatively low temperatures. During a lean run, synthetic oils may provide insufficient lubrication. In the extreme, the lack of proper lubrication can strip the plating from the piston cylinder walls or even lead to piston seizure and connecting rod breakage.

Do not use model engine fuels containing only synthetic oil with your Norvel Vmax-6 helicopter engine. Use only fuels containing castor oil or castor/synthetic oil blends. For instance, do not use **Morgan's Cool Power** fuel with synthetic oil, instead use **Morgan's Omega** fuel with castor/synthetic oil blend.