

### **Kuwait Petroleum Lubricants for Ja)(Ke Gearboxes**

#### **Condition of use**

In order to use gear oils in Jahnel Kestermann Getriebewerke GmbH & Co. KG industrial gearboxes and windmill gearboxes lubricant manufacturer have to produce evidence of the oil in the form of the well-known test procedures.

- FZG (> load stage 12)
- Grey Staining (load stage > 10)
- Foam behavior (< 15%, Flender Foam Test)
- Compatibility against usual rubber seals
- Compatibility against liquid seals (Loctite, Hylomar and others)
- Compatibility against coatings
- Sufficient oil life time / sufficient resistant against degradation / sufficient anti sludge behavior

Furthermore a praxis proof in form of a field trial of min. 5.000 h is required.

For the part synthetic lubricant, which is a mixture between PAO and Mineral Oil

#### **Q8 El Greco, VG 220/320/460**

have passed all necessary test results and sufficient praxis experience is available.

Therefore the product is approved for the use in Ja)(Ke gearboxes.

For different applications the correct viscosity grade has to be selected with the help of gearbox manufacturer.

We expect from the oil manufacturer that any modification will be reported to us immediately.

Ja)(Ke does not undertake any guarantee for possible defects of gear oils. The gear oil manufacturer have the exclusive product responsibility. Pay attention to manufacturer manuals and recommendations.

Kind regards,