

## Technical Data Sheet (TDS)

### IGO

ISO VG 680 - HD

FULLY SYNTHETIC

FUBEX IGO HD are synthetic PAO based gear oils designed to provide outstanding protection in industrial gear systems. They contain an advanced additive system designed to provide excellent protection against scuffing as well as a high level of resistance against micro pitting fatigue. IGO HD oils are designed for use in a wide range of applications, including: reduction gearboxes, direct drives, angle drives, chain drives, gear couplings, hoist/winch gearboxes, screw feeder gearboxes, tl gearboxes, swing gearboxes, turret heads, warheads, centralised circulation systems.

### APPLICATION

**FUBEX IGO HD** Typical applications include: Modern, highly loaded gearboxes used in the paper, steel, oil, textile, lumber and cement industries where gear protection and optimum oil life are required.

### FEATURES & BENEFITS

- Superb protection from micropitting fatigue wear as well as high resistance to traditional scuffing wear
- Excellent resistance to degradation at high temperatures
- High viscosity index
- Excellent resistance to rust and corrosion
- Excellent shear stability
- Excellent seal compatibility

### PERFORMANCE STANDARDS

- US STEEL 224
- AGMA 250.04
- DAVID BROWN TABLE E 2E-9E

### TYPICAL PROPERTIES

| PARAMETERS                                | TEST METHOD       | UNIT       | IGO<br>ISO VG 680 |
|---|-------------------|------------|-------------------|
| <b>Kinematic Viscosity @ 104°F /40°C</b>  | <b>ASTM D7042</b> | <b>cSt</b> | <b>680</b>        |
| <b>Kinematic Viscosity @ 212°F /100°C</b> | <b>ASTM D7042</b> | <b>cSt</b> | <b>75.5</b>       |
| <b>Viscosity Index</b>                    | <b>ASTM D2270</b> | <b>-</b>   | <b>192</b>        |
| <b>Flash Point (min)</b>                  | <b>ASTM D92</b>   | <b>°C</b>  | <b>234</b>        |
| <b>Pour Point (max)</b>                   | <b>ASTM D97</b>   | <b>°C</b>  | <b>-27</b>        |
| <b>4 Ball EP Test - Weld Load</b>         | <b>ASTM D2783</b> | <b>kgf</b> | <b>200</b>        |
| <b>4 Ball EP Test - Load Wear Index</b>   | <b>ASTM D2783</b> | <b>kgf</b> | <b>51</b>         |

### HEALTH & SAFETY, ENVIORMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil into drains or the environment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS on our website: [www.fubex.net](http://www.fubex.net)

### HEALTH & SAFETY:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60 C, or exposed to hot sun or freezing conditions.

### PROTECT THE ENVIRONMENT

Take used oil to an authorized collection point. Comply with local regulations. Do not discharge into drains, soil or water.