



# Shell Risella X 420

## GtL Technical White Oil

Shell Risella X 420 is a hydrocarbon fluid based on Shell Gas-to-Liquid Technology. It's highly saturated with a high degree of iso paraffinic structures and is almost odourless and very stable in colour.

### DESIGNED TO MEET CHALLENGES

#### Specifications, Approvals & Recommendations

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

#### Typical Physical Characteristics

| Properties                                     | Method           | Shell Risella X 420 |
|------------------------------------------------|------------------|---------------------|
| Colour (Saybolt)                               | ASTM D156        | +30                 |
| Density @ 15°C kg/m <sup>3</sup>               | ISO 12185        | 816                 |
| Refractive Index @ 20°C                        | ASTM D1218       | 1.454               |
| Viscosity Index                                | ISO 2909         | 130                 |
| Flashpoint COC °C                              | ISO 2592         | 230                 |
| Pour Point °C                                  | ISO 3016         | -36                 |
| Kinematic Viscosity @ 20°C mm <sup>2</sup> /s  | ISO 3104         | 40                  |
| Kinematic Viscosity @ 40°C mm <sup>2</sup> /s  | ISO 3104         | 18.0                |
| Kinematic Viscosity @ 100°C mm <sup>2</sup> /s | ISO 3104         | 4.1                 |
| Aniline Point °C                               | ISO 2977         | 120                 |
| Sulphur mg/kg                                  | ISO 14596        | <5                  |
| Evaporation Loss 22h/107°C %m                  | ASTM D972        | 0.12                |
| Noack Volatility 1h/250°C %m                   | ASTM D5800       | 12                  |
| Purity Requirements for Technical White Oil    | FDA 178.3620 (b) | Pass                |

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

#### Health, Safety & Environment

##### • Health and Safety

Shell Risella X 420 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from your Shell representative.

##### • Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

## Additional Information

- **Advice**

Advice on applications not covered here may be obtained from your Shell representative.