

## HY-BIO Elite

*Synthetic, versatile and biodegradable hydraulic oil*

### Description

**HY-BIO Elite** is a biodegradable hydraulic oil that meets OECD criteria and offers exceptional versatility. Thanks to its synthetic base oil, it delivers a significantly longer service life than conventional mineral oils in equipment. Primarily designed for hydraulic systems, its high flexibility also makes it suitable for a wide range of applications and equipment, including certain pumps and compressors. The **HY-BIO Elite** range is available in multiple viscosity grades to ensure compatibility with most equipment on the market.

### Features and Benefits

Its biodegradability, compliant with OECD standards, makes it an excellent choice for operations conducted in natural or environmentally sensitive areas, where ecological requirements are increasingly strict. **HY-BIO Elite** oils are fully synthetic, providing outstanding cold-temperature performance and stable operation across wide temperature variations. Their high versatility (compressors, pumps, hydraulic systems) helps reduce the number of products required on your worksites. They offer effective protection against corrosion and superior resistance to heat, oxidation, and hydrolysis. Their excellent chemical stability helps reduce downtime associated with oil changes, improving the availability and productivity of your equipment.

### Applications

The **HY-BIO Elite** range is designed to reduce ecological and environmental risks in the event of a spill. It is particularly recommended for port equipment, operations near waterways, as well as forestry, agricultural, and marine equipment. Although primarily intended for hydraulic systems, this range has also demonstrated strong performance in several pump and compressor applications, making it a versatile solution for equipment fleets operating in sensitive environments.

| Properties           | Method     | Results   |           |
|----------------------|------------|-----------|-----------|
|                      |            | Grade 32  | Grade 46  |
| Appearance           |            | Blue      | Blue      |
| Density              | ASTM D4052 | 0.91 g/mL | 0.92 g/mL |
| Viscosity at 40 °C   | ASTM D445  | 32 cSt    | 47 cSt    |
| Viscosity at 100 °C  | ASTM D445  | 6.6 cSt   | 8.8 cSt   |
| Viscosity Index      | ASTM D2270 | 168       | 169       |
| Pour Point           | ASTM D97   | -50 °C    | -46 °C    |
| Flash Point          | ASTM D93   | 217 °C    | 211 °C    |
| Corrosion prevention | ASTM D665  | Pass      | Pass      |
| Weld load (4-Balls)  | ASTM D2783 | 160 kg    | 160 kg    |