

N.B.A. 75

Readily biodegradable hydraulic oil



The benefits at a glance

- NSF-H1 registered
- Fully synthetic
- Readily biodegradable
- High ageing and oxidation stability
- Wide operative temperature range
- High viscosity index
- Good compatibility with seals



Properties

Rivolta N.B.A. 75 is a fully synthetic hydraulic oil, especially developed for the food processing industry for the application in environmentally related and environmentally sensitive areas. Our product is based upon a readily biodegradable base oil, on the basis of renewable raw materials and optimized by an additive package of ageing, corrosion and wear inhibitors.

Fields of application

Rivolta N.B.A. 75 is applicable for hydraulics of all kinds (hydraulic motors, hydraulic pumps) e.g. in mobile loading systems, dumpers, tippers, combine harvesters, loading crane systems and other applications in environmentally sensitive areas and in the food industry.

| | |
|---------------|-----------------------|
| Form | liquid |
| Colour | transparent-yellowish |
| Odour | neutral |

| | Value | Norm |
|---|------------------------|-----------------|
| NSF Reg.-No. | 153216 | – |
| Density at +15 °C | 0,92 g/cm ³ | – |
| Viscosity index | > 180 | DIN ISO 2909 |
| ISO viscosity grade | 46 | DIN ISO 3448 |
| Viscosity of base oil at +40 °C | 46 mm ² /s | DIN ISO 3104 |
| Viscosity of base oil at +100 °C | 9,5 mm ² /s | DIN ISO 3104 |
| Flash Point | > +280 °C | DIN EN ISO 2592 |
| Pour point | -50 °C | DIN ISO 3016 |
| Operative temperature range | -40 °C up to +100 °C | – |
| F.Z.G.-Test (A / 8,3 / 90) | > 12 | DIN ISO 14635-1 |
| Mechanical test vane pump (Vickers-pump typ V105C) | passed | (DIN 51389-2) |
| Compatibility with seals of HNBR 1 (1008h, +80 °C) - Change in Shore A-hardness - Relative volume change | -3 +3,8 | ISO 6072 |
| Compatibility with seals of FKM (1008h, +80 °C) - Change in Shore A-hardness - Relative volume change | +1,1 +0,5 | ISO 6072 |
| Biodegradability | > 60% | OECD 301 B |

Material compatibility

Rivolta N.B.A. 75 is compatible with sealing materials which are resistant to mineral oils (e.g. NBR, FKM).

Miscible with mineral oils, ester oils and PAO. Do **not** mix with polyalkylene glycol.

Preparation of the lubricating point

Before a new filling with **Rivolta N.B.A. 75** the following steps have to be carried out:

- First drain the old product. If the system was filled with a miscible product, no particular flushing is necessary before the new filling with **N.B.A. 75**. The full performance only results from an unmixed use.
- If the system was filled with an oil which is not miscible, a flushing with **N.B.A. 75** has to be carried out before the new filling.

Instructions for use

Suitable application devices and accessories in our [accessories brochure](#).

