



Nondestructive Testing

Product information
Magnetic particle inspection



MR[®] 82 Flux oil

carrier liquid for magnetic particle inspection according to DIN EN ISO 9934 part 1

General appearance and composition:

- Clear, colorless liquid free of fluorescence
- For preparation and dilution of MR[®] 210 Magnetic powder, MR[®] 110 Magnetic powder, MR[®] 111 Magnetic powder, MR[®] 225 Magnetic powder concentrate or MR[®] 131 Magnetic powder concentrate.
- Almost odourless

Application:

- Remove fat and oil (e.g. with MR[®] 71 Paint Remover) as well as tinder, rust and other contaminations from surface in a suitable manner
- Prepare test suspension with MR[®] 210 Magnetic powder, MR[®] 110 Magnetic powder, MR[®] 111 Magnetic powder, MR[®] 225 Magnetic powder concentrate or MR[®] 131 Magnetic powder concentrate
- Recommended dilutions may be found in the product information for the Magnetic powders; however, it needs to be adjusted to the customer's requirements
- If using the daylight procedure, spray a thin film MR 72[®] White contrast paint (layer thickness max. 40 µm) on the surface and allow to dry for a few seconds
- Apply the prepared suspension on the surface during magnetization (e.g. with a MR[®] Hand yoke)
- Discontinuities will appear as black or, when using the fluorescent method, fluorescent magnetic particle indications (under UV-light) on the surface
- After documentation the surface can be cleaned with MR[®] 71 Paint Remover

Minimum durability:

- Will keep for a minimum of 4 years, stored at room temperature

Pack sizes:

- 5 L, 30 L, 200 L

