



# AGCO PARTS HYDRAULIC OIL 46

AGCO PARTS HYDRAULIC OIL 46 provides protection and trouble-free machinery operation. Resistant to high temperatures and mechanical loads, it prevents the formation of deposits which reduce the efficiency of the hydraulic system.

## Performance, Features & Benefits

- Long service life**  
 AGCO Parts Hydraulic Oil 46 has a high stability in humid conditions, provides a long service life and reduces the risk of corrosion, especially in high humidity conditions.
- Reduced operating cost**  
 High purity class, excellent filtering, exceptional anti-foaming, deaeration and water separation characteristics enable maintenance of a high level of work efficiency of hydraulic systems.

## Main Applications

- Hydraulic systems of agricultural machinery**  
 AGCO PARTS HYDRAULIC OIL 46 is designed specifically for hydraulic systems of Fendt, Challenger, Massey Ferguson, and Valtra machinery.
- Industrial Hydraulic systems**  
 AGCO PARTS HYDRAULIC OIL 46 is suitable for use in a variety of hydraulic systems of industrial equipment.

## Specifications, Approvals & Recommendations

- Denison (HF-0, HF-1, HF-2)
  - Eaton Vickers M-2950, I-286 S (Brochure 694)
  - ISO 11158 (HM fluids)
  - AFNOR NF-E 48-603
  - ASTM 6158-05 (HM fluids)
  - DIN 51524, part 2, HLP type
  - Swedish standard SS 15 54 34 AM
  - GB 111181-1-94 (HM fluids)
- For a full listing of equipment approvals and recommendations, please consult your local representative.

## Compatibility & Miscibility

- Compatibility with hydraulic fluids**  
 AGCO Parts Hydraulic Oil 46 is compatible with most mineral-based hydraulic fluids. However, mineral-based hydraulic fluids should not be mixed with other types of fluids (fire-resistant or those that are biodegradable).
- Compatibility with sealing materials and lacquer coatings**  
 AGCO Parts Hydraulic Oil 46 is compatible with sealing materials and lacquer coatings which are commonly used when working with mineral-based oils.

## Typical Physical Characteristics

Properties			Method	AGCO PARTS HYDRAULIC OIL 46
ISO Fluid Type				HM
Kinematic Viscosity	@0°C	cSt	ASTM D445	580
Kinematic Viscosity	@40°C	cSt	ASTM D445	46
Kinematic Viscosity	@100°C	cSt	ASTM D445	6.9
Viscosity Index			ISO 2909	105
Density	@15°C	kg/l	ISO 12185	0.856
Flash Point (COC)			ISO 2592	230
Pour Point			ISO 3016	-30

These characteristics are typical of current production.

## **Health, Safety & Environment**

- **Health and Safety**

AGCO PARTS HYDRAULIC OIL 46 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.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet which can be obtained from your local Representative.

- **Protect the Environment**

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

## **Additional Information**

- **Advice**

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