

# FLUID HIS 68

LUBRICANT FOR AGRICULTURAL TRACTORS  
HYDRAULICS, MECHANICAL TRANSMISSIONS, WET BRAKES

220045/10.16

Rev. 5

## DESCRIPTION & APPLICATIONS

FLUID HIS, a UTTO (Universal Tractor Transmission Oil) lubricant, can be used every time that a fluid is needed for the specifications listed below :

- Mechanical transmissions like gear boxes, converters and transfer boxes
- Hydraulic transmissions
- Wet brakes
- Hydraulic systems of certain fork lift trucks.
- All agricultural tractors with wet brakes like FIAT agricultural tractors.

FLUID HIS possesses all the properties to respond to the most severe requirements of multifunctional lubricants for agricultural tractors.

## ADVANTAGES

- Stability of oxidation : assures the maximum life expectancy in all the mechanisms where it is used
- Anti-wear and tear power and extreme pressure : assures lubrication without fault from gearing, pump, bearings and the hydraulic system.
- Anti-friction power : stops chattering and the noise of wet brakes.
- High viscosity index level : maintains a sufficient viscosity at high and low temperatures (SAE grade 10W30)
- Low freezing point : permits a good operation at very low temperatures
- Anti-corrosion protection : protects the pumps, gears, hydraulic system and brakes from corrosion and maintains their long life
- Excellent compatibility which avoids leakages
- Good filterability

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## PERFORMANCES

Satisfies to the following specifications:

AGCO POWERFLUID 821XL  
ALLISON C4  
API GL4  
CAT TO2  
John Deere J20B/J20C/J20D  
Massey Ferguson CMS M 1135/1141/1143/1145  
Case New Holland CNH MAT 3505/3509/3525/3540  
CASE MS 1207/1210  
ESSO LT 71141  
Ford ESN-M2C 86B/86C/134D  
FNHA-2-C-200.00  
FNHA-2-C-201.00  
Kubota UDT Fluid  
LANDINI  
NH 410B  
RENAULT/CLAAS  
VOLVO WB 101  
ZF-TE-ML 05F/03E/06K/17E/21F  
VALTRA G2-08/G2-B10  
FENDT

## ENVIRONMENT, HEALTH & SAFETY

Please consult also the Safety Data Sheet about how to manipulate and to stock the product as well as to learn about the first aid measurements in case of accident.

Elimination after use must be made in conformity with the local rules in force about used oils disposal.

When needed, Safety Data Sheet can be obtained upon request.

Conservation of the product: 3 year(s) in closed container and sheltered.

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## PROPERTIES

| CHARACTERISTICS              | UNITS                    | METHODS     | TYPICAL DATA |
|------------------------------|--------------------------|-------------|--------------|
| SAE grade                    | -                        | -           | 10W30        |
| ISO VG                       | -                        | -           | 68           |
| Specific gravity at 15°C     | kg/m <sup>3</sup>        | NFT 60101   | 878          |
| Kinematic viscosity at 40°C  | mm <sup>2</sup> /s (cSt) | NFT 60100   | 63,3         |
| Kinematic viscosity at 100°C | mm <sup>2</sup> /s (cSt) | NFT 60100   | 9,8          |
| Viscosity index              | -                        | NFT 60136   | 137          |
| Dynamic viscosity at -35°C   | mPa.s                    | ASTM D 5293 | 58000        |
| Dynamic viscosity at -40°C   | mPa.s                    | ASTM D2983  | 108000       |
| Flash point                  | °C                       | NFT 60118   | 221          |
| Pour point                   | °C                       | NFT 60105   | -39          |
| Sulphated ash content        | % wheight                | NF T 60143  | 1,16         |
| TBN (Total Base Number)      | mg KOH/g                 | ASTM D 2896 | 7,1          |

*The average values are given for information only.*