



# AGRISHIFT BIO 45

Very high quality biodegradable lubricant for transmissions fitted with wet brakes for agricultural machinery.

## Applications

<p>Transmissions Gears</p>	<p>Used in transmissions (CVT, Powershift,...) equipped with oil bath disk brakes.</p>
<p>Hydraulic systems</p>	<p>Also designed for all gears (reduction units, angle drives, etc.) requiring an Extreme Pressure API GL-4 level lubricant.</p>
<p>All seasons</p>	<p>Used in all high or low pressure hydraulic systems equipped with high performance filters on the suction or delivery sides.</p> <p>Used in all seasons thanks to its high Viscosity Index:</p> <ul style="list-style-type: none"> <li>- very fluid when cold, provides easy starting of the components and an immediate efficient filtration.</li> <li>- viscous when hot, maintains an optimum and danger-free lubrication.</li> </ul> <p>AGRISHIFT BIO 45 is formulated from modified renewable base oils and meets the main environmental labels in force.</p>

## Performances



Classifications: **API GL-4 • AFNOR HV 68 multigrade • ISO 15380 HEES**

Manufacturers approvals:  
**GIMA CMS M 1145 / 1143 • ZF TE ML 06P (ECCOM 3.0)**

Suitable for transmission systems:  
**CASE, FENDT, FORD, JOHN DEERE, MAC-CORMICK, VALTRA...**

## Customer benefits

<p>Performance</p>	<p>Smooth clutching and braking operations without shocks nor excessive Slippage responsible for disc coating damages like other non approved oils.</p>
<p>Economy</p>	<p>Advantageously replaces transmission and hydraulic fluids by extending the specified oil change intervals.</p>
<p>Environment friendly</p>	<p>Perfectly compatible with the seals of the components lubricated.</p> <p>Specially recommended in case of possible contamination of cultivated land, water, forests and sensitive environments which must be preserved.</p>

## Characteristics\*

AGRISHIFT BIO 45	Units	Value
Viscosity at 40° C	mm <sup>2</sup> /s	72.7
Viscosity at 100° C	mm <sup>2</sup> /s	11.3
Viscosity index	-	148
Biodegradability CEC L 33-A-93 after 21 d.	-	84
Toxicity OECD 201 and 202	-	Non toxic
Pour point	° C	-33

\* The typical characteristics mentioned represent mean values

