

A 100% synthetic multi-purpose multigrade oil (UTTO), for hydraulic and mechanical transmissions and immersed brakes in agricultural, forestry and construction machinery. Suitable for Komatsu specifications requiring excellent oxidation resistance and shear strength.

**PERFORMANCE**

**Specifications:**

API GL-4  
API CF  
CATERPILLAR TO-4M  
ZF 03C  
Allison C4  
Allison TES-439

**ADVANTAGES**

Specially created for construction machinery mechanical transmissions, TICMA FLUID TO-4 contains extreme pressure and anti-wear additives that considerably reduce gear wear.

The presence of friction modifiers in the formulation prevents any chatter and noise phenomena.

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**USES**

Recommended as a “powershift” transmission fluid and as a hydraulic fluid on construction machinery, and specifically for CATERPILLAR machinery.

Also recommended for hydraulic transmissions and controls requiring an oil meeting the ALLISON C4 standard.

Characteristics	Standards	Units	Values
Colour	/	/	Brown
Density at 20°C	ASTM D4052	g/cm <sup>3</sup>	0871
Viscosity at 40°C	ASTM D7042	mm <sup>2</sup> /s	101.5
Viscosity at 100°C	ASTM D7042	mm <sup>2</sup> /s	14.5
Viscosity index	ASTM D2270	-	148
Pour point	ASTM D97 B	°C	-42
Flash point (open cup)	ASTM D92	°C	246

*The characteristics are given purely for information and are consistent with our current production standards. IGOL reserves the right to modify them, in order to pass on technical developments to its customers. Before using this product, you should consult the instructions for use and the environmental impacts shown on the technical and safety data sheets. The information given above is based on the current state of our knowledge of the product in question. The product user should take all relevant precautions relating to its use. Under no circumstances may IGOL be held liable for damages resulting from misuse.*

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