

Anti-wear hydraulic transmission lubricant with a very high viscosity index designed for the most demanding stationary and mobile applications.

**PERFORMANCES**

**Spécifications :**

Hydraulic controls (norme NF E 48-603 – Type HV).  
DIN 51524 Partie 3 HLVP  
ISO 6743-4 HV

**ADVANTAGES**

**MATIC HPC** is a mineral oil for hydraulic transmissions with a very high **viscosity index**, anti-corrosion, anti-wear and anti-foaming properties.

Its formulation from the **IGOL France Laboratory** allows it to operate in a very wide temperature range thanks to a particularly low pour point, while maintaining its viscometric properties and very good shear resistance.

- Exceptional service life
- High tolerance to heavy loads
- Long emptying interval
- Wide operating temperature range
- No action on elastomer seals.
- Resistance to the STICK-SLIP phenomenon (grazing)
- Shear stability to maintain optimum lubrication at high temperatures.
- Application on mobile and stationary systems.

The use of hydraulic lubricant with a high viscosity index minimises the impact of temperature variations on the viscosity of the lubricant, therefore the stressed parts are preserved.

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## USES

All hydraulic control circuits working at high pressure and/or high temperatures, and equipping fixed or mobile equipment :

- Agricultural and public works equipment : excavators, shovels, construction and mining machinery...
- Industrial equipment : machine tools, presses, injection moulding...

Hydraulic controls subject to large temperature variations.

More generally, **IGOL MATIC HPC** is suitable for a very wide range of hydraulic systems of various applications

## PHYSICO-CHEMICAL PROPERTIES

Characteristics	Standards	Units	MATIC HPC 15	MATIC HPC 22	MATIC HPC 32	MATIC HPC 46	MATIC HPC 68
Specific gravity at 15°C	ASTM D4052	g/cm <sup>3</sup>	0,882	0,886	0,878	0,87	0,876
Cinematic Viscosity at 40°C	ASTM D7042	cSt	15,6	19,9	30,8	44,7	68,9
Cinematic Viscosity at 100°C	ASTM D7042	cSt	4,03	4,92	6,74	9,02	12,07
Viscosity Index			167	186	186	190	185
Flash point	ASTM D97	°C	143	158	168	218	216
Pour point	ASTM D92	°C	-64	-63	-54	-49	-41

*Characteristics are given for information only and correspond with our manufacturing standards. IGOL reserves the right to modify them to provide its customers with the benefits of technical progress. Before using this product read the instructions for use and the environmental impacts mentioned in the technical and safety data sheets. The information given above is based on the current level of knowledge relative to the product concerned. The product user should take all useful precautions relative to its use. IGOL can in no circumstances be held responsible for damage resulting from incorrect use.*

Documentary reference : VIII-91-C-2006  
Date of issue : 11/06/2020

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