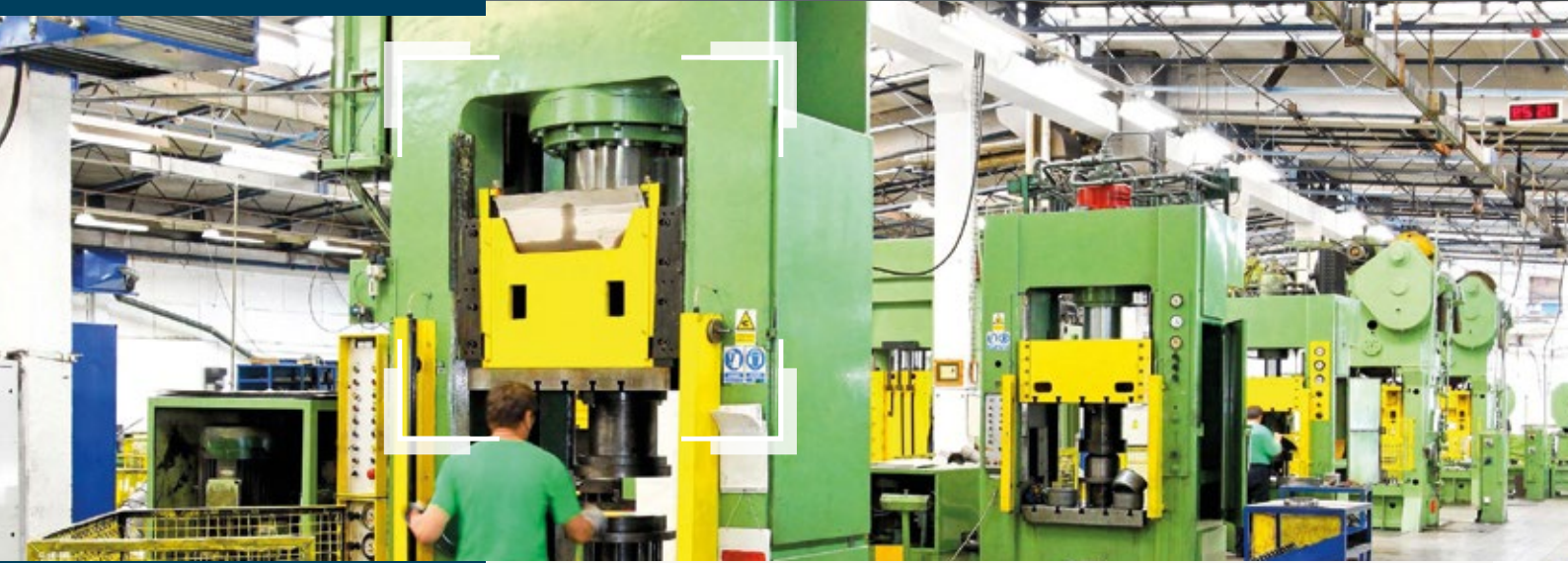


MARTOL EP CF serie

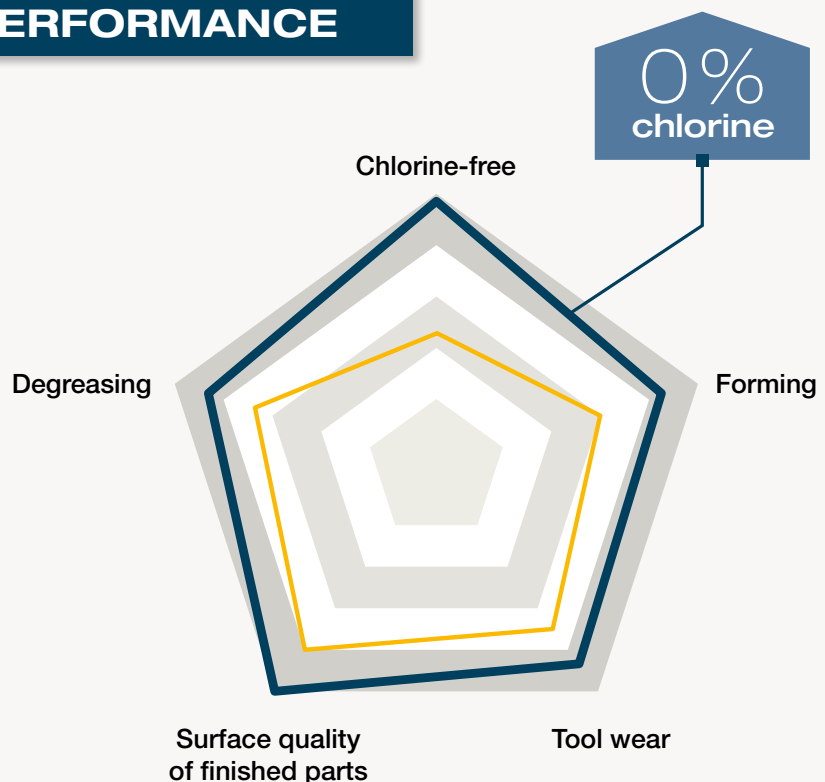
Specially formulated for the most stringent forming operations



Thanks to its **innovative formulation**

combining the latest generation of anti-wear and extreme pressure agents, **MARTOL EP CF** can replace chlorinated oils for the most stringent metal forming operations.

GENERAL PERFORMANCE



CUSTOMER BENEFITS

- > Excellent forming qualities
- > Longer tool lifetime
- > Chlorine-free

◆ MARTOL EP CF serie
◆ Standard chlorinated forming product

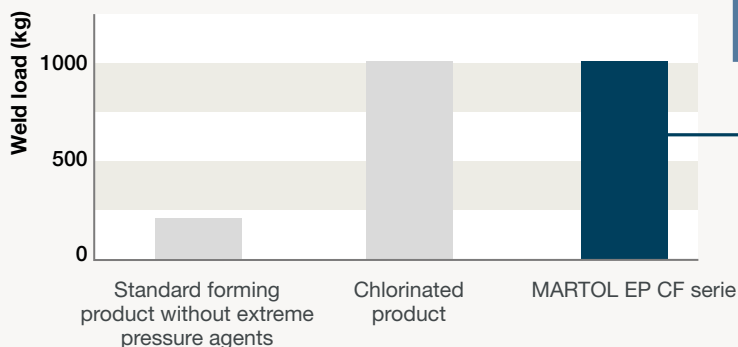


TOTAL



EXTREME PRESSURE PROPERTIES

> Four-ball EP test (ASTM D 2783)



Same extreme pressure levels as chlorinated products

The four-ball EP test measures the capacity to form a metal plate under pressure. The higher the weld load, the better the forming quality.

✓ STANDARDS AND SPECIFICATIONS

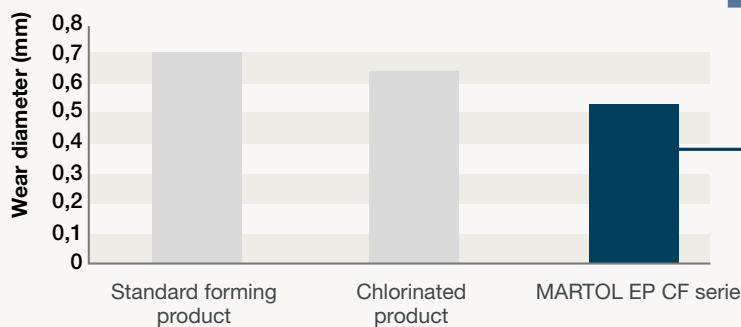
- ISO TS 12927 MHF

“Total’s R&D teams developed a new generation of forming products designed to handle extreme operations. This technology was field-optimized to offer the best combination of performance, productivity, quality, operators safety, and respect for the environment.”

Fanny, R&D engineer

EXTENDED TOOL LIFETIME

> Four-ball wear test (ASTM D 4172*)



-20% wear

The four-ball wear test reflects the oil’s anti-wear property. The lower the wear diameter, the less tools are subject to wear.

*1 hr, 40 kg, 1200 rpm, 75°C

MARTOL EP CF oils are enhanced with lubricity agents that support a wide range of temperatures in order to properly control the friction coefficient between the tool and material, regardless of the pressure. They are therefore very easy to use, while ensuring the quality of formed parts and protecting equipments. The formula also contains special additives to provide outstanding degreasing properties. Five viscosity grades are available to deal with all types of operations.

	MARTOL EP 5 CF	MARTOL EP 65 CF	MARTOL EP 100 CF	MARTOL EP 235 CF	MARTOL EP 405 CF
Viscosity at 40°C (cSt)	3	65	100	230	405

