



Advanced Chemical Concepts, Inc.

Formulating Multi-Metal Machining Fluids

- ACC has all your needs covered when it comes to Formulating Multi-Metal Machining Fluids.
- From no oil to high oil fluids, ACC offers the right lubricity additive for Multi-Metal Machining Applications.
- ACC's core bundle of products are the building blocks to any Multi-Metal Fluid Formulation.



PRODUCT

DESCRIPTION

TAS XP 48

Cross-linked Polyoxyalkylene Castor Oil, excellent multi-metal lubricity additive and a good emulsifier, ideal for low-oil semi-synthetic formulations.

TAS XP 39

Multifunctional additive, excellent multi-metal lubricant, ideal for high-oil semi-synthetic formulations.

TAS XP 55

Multifunctional additive, excellent multi-metal lubricant, ideal for low-oil and high-oil semi-synthetic formulations

TAS XP 1002A

Polymeric Ester, excellent multi-metal lubricant, ideal for low and high-oil semi-synthetic and soluble oils formulations

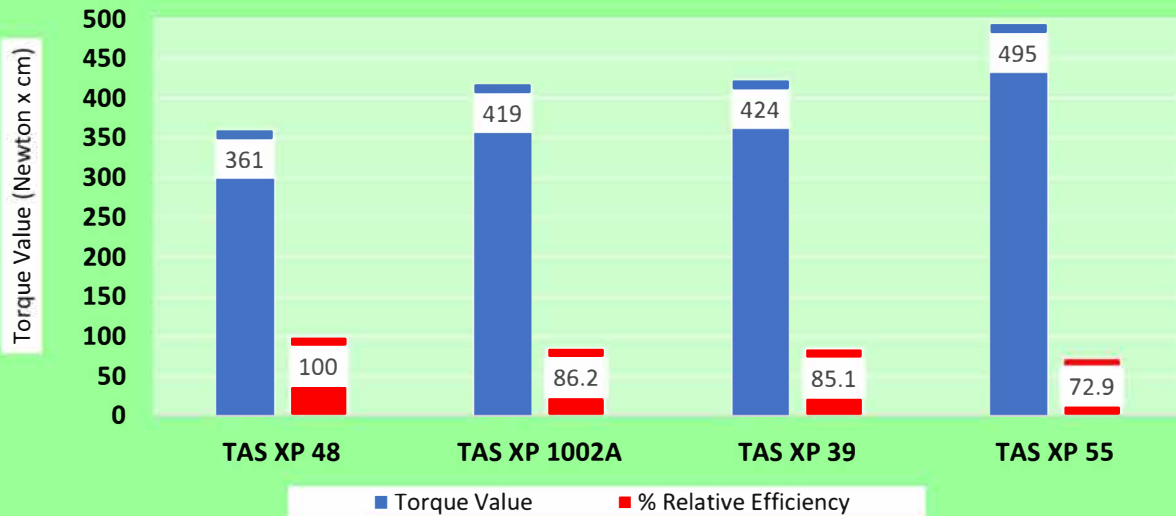
The above additives were specifically designed for machining aluminum, titanium, steel and many other alloys. Check tapping torque comparative test data on next page.



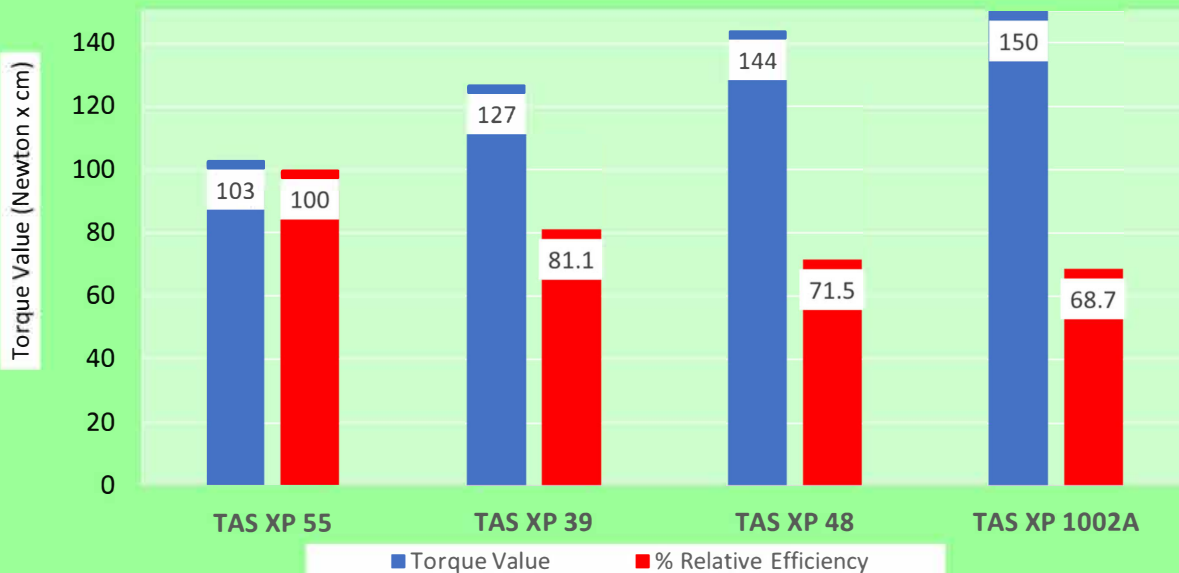
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TEST METHOD – ASTM D8288

Comparative Average Torque Value in Newton x Cm and % Relative Efficiency of several products
As generated by a "Tauro Tribometer" Tap Torque Testing Machine
Running at 500 RPM on Titanium "6AL4VTI" @2% in 100ppm water, Using a 6 x 1 cutting tap



Comparative Average Torque Value in Newton x Cm and % Relative Efficiency of several products
As generated by a "Tauro Tribometer" Tap Torque Testing Machine
Running at 1000 RPM on Aluminum "6061" @2% in 100ppm water, Using a 6 x 1 forming tap

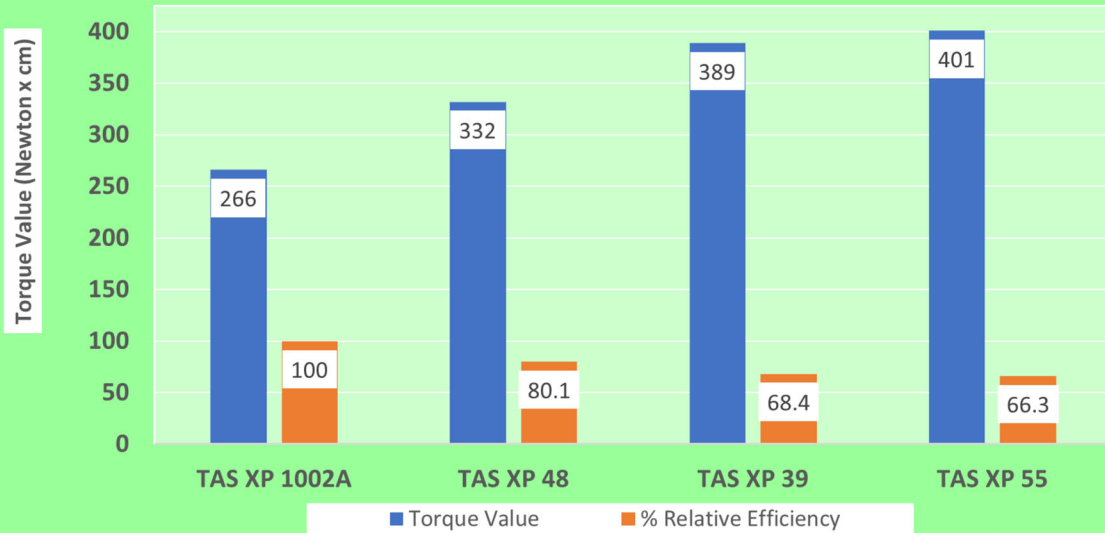




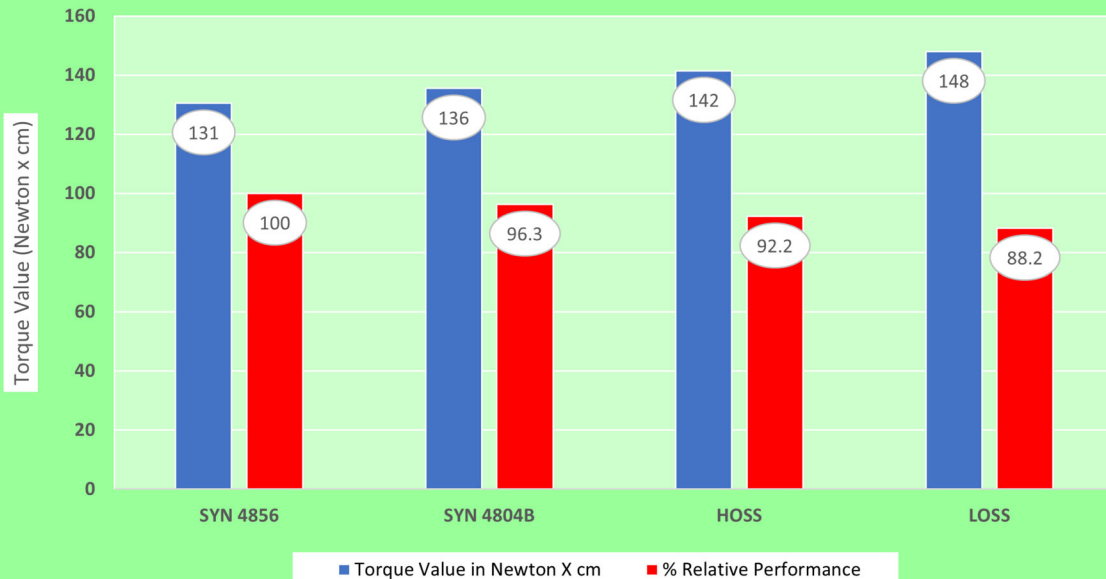
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TEST METHOD – ASTM D8288

Comparative Average Torque Value in Newton x Cm and % Relative Efficiency of several products
As generated by a "Tauro Tribometer" Tap Torque Testing Machine
Running at 750 RPM on Steel "1018" @2% in 100ppm water, Using a 6 x 1 forming tap



Comparative Average Torque Value in Newton x Cm and % Relative Efficiency of several products
As generated by a "Microtap" Tap Torque Testing Machine
Running at 500 RPM on Titanium "6Al4VTi" @10%, Using a 6 x 1 Cutting tap



Fluid Types:

SYN 4856: Oil free fluid (Synthetic), based on a blend of TAS XP 48 and TAS XP 1256B

SYN 4804: Oil free fluid (Synthetic), based on a blend of TAS XP 48 and TAS XP 1204B

HOSS: High oil semi-synthetic fluid, based on TAS XP 39 and TAS XP 1256B

LOSS: Low oil semi-synthetic fluid, based on TAS XP 48 and TAS XP 1204B