

Tapping Torque Testing Services



Evaluation of Metalworking Fluids and Cutting Tool Geometry

Labtap II G8 and WinPCA Software

NEED TEST ANALYSIS IN THE REAL WORLD?

We can put our equipment to work for you.

Let Microtap USA put you ahead of the competition.

Send us your metalworking fluids or taps for comparative testing. Choose from our standard metal Test Bars in aluminum and steel or your special metal requirements for cut or form tapping.

You receive comprehensive results in summary form for presentation along with detailed spreadsheets and graphs to analyze fluid formulations or tap geometries.



Sample from Summary Presentation

Fluid Comparative Analysis in thread forming

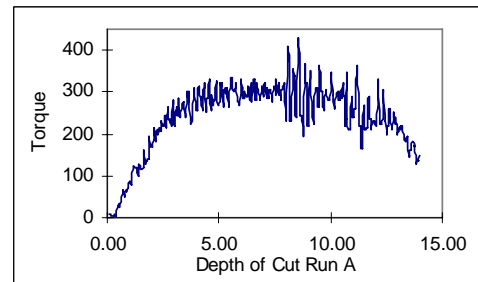
Rank:	Fluid Comparison	Mean Value Analysis		Standard Deviation Analysis	
		MValue	MDeviate	Std Dev	MDeviate
Forth	A=	235.66	107%	86.28	109%
Third	B=	229.38	104%	81.76	103%
Second	C=	210.12	96%	73.66	93%
Worst	D=	235.80	107%	89.62	113%
Best	E=	187.58	85%	66.24	83%
Mean		219.71	100%	79.51	100%

Mvalue = average of mean values from each fluid.

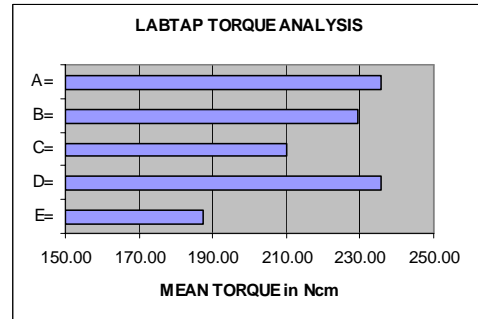
Mdeviate = percent of deviation from the average mean value.

The lowest deviation percentage is the best lubricity.

Detailed Chart Analysis Graph



Cutting profile of A



Sample from Detailed Spreadsheet

M6x1 FORM THROUGH HOLE TO 14.4mm			
A=	Value in Ncm		
	CUT	MEAN	STD DEV
1335619	425	233.4	90.4
133759	435	235.1	84.8
135237	435	234.8	87.2
135319	430	240.0	84.2
135358	465	235.0	84.8
AVERAGE	438.00	235.66	86.28
EFF. OF B	105%	103%	106%
EFF. OF C	117%	112%	117%
EFF. OF D	102%	100%	96%
EFF. OF E	139%	126%	130%

Sample Presentation Chart

Our laboratory will compare three or more fluids samples at \$150.00 each. 50 ml of solution or 10 ml concentrate is necessary for MWF test analysis.

Discover your
EFFICIENCY OF MIXTURE
EFFECTIVENESS OF ADDITIVES
OR JUST
EVALUATE THE COMPETITION

CONFIDENTIAL AND SECURE