

SURESH MEHTA ASSOCIATES

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Date: _____ S. No. _____

Deptt.: **GEAR GRINDING
 TRIAL REPORT**

Contact Person: _____

Designation: _____

Customer's Name & Address: _____

Tel.: _____

Fax: _____

e-mail: _____

MACHINE (Name & Model) _____; No. Of M/Cs _____ Nos.

Wheel Head Power: _____ KVA/KW/HP; Wheel RPM: _____; Surface speed _____ m/s

Coolant: _____; Rolling Speed: _____ mm/min; D. Strokes: _____ Nos./min

GRINDING WHEEL (Dimensions): _____

Manufacturer – 1: _____; Specifications: _____

Manufacturer – 2: _____; Specifications: _____

COMPONENT: (Gear/ Pinion)

Module: _____; No. of teeth: _____ No.; Helix angle: _____ deg.; Face width: _____ mm;

Total Grinding allowance: _____ mm; Grinding allowance/ flank: _____ mm

DATA	Manufacturer – 1					Manufacturer – 2				
	1	2	3	4	5	1	2	3	4	5
No. of Cuts →										
Depth of cut/flank (mm)										
Rolling feed (mm/min) (Table speed)										
No. of Double Strokes										
Mot reduction (mm)										
Effect of Abrasion (%) (Cutting efficiency)										
Dressing frequency (After No. of teeth)										
Dressing Amount (mm)										
Grinding Time (min.)										

RESULTS

Gear Accuracy (Y/ N); Surface Cracks (Y/ N); Burning Marks (Y/ N); Surface Finish (Y/ N)

Any other Observation/ suggestion: _____

Trials conducted by

Name: _____; Designation: _____; Signature: _____