



Title: Calibration Procedure of Vacuum Gauge

SOP No.:		Revision No.:	00
Effective Date:		Supersedes No.	Nil
Review Date:		Page No.	1 of 2

1.0 OBJECTIVE

1.1 To describe a procedure for the calibration of vacuum gauge.

2.0 SCOPE

2.1 This procedure applies to the Engineering department.

3.0 RESPONSIBILITY

3.1 Engineering

4.0 ACCOUNTABILITY

4.1 Plant Head

5.0 REFERENCE (S)

5.1 In-house.

6.0 PROCEDURE

6.1 Remove the pressure gauge from the process line & unscrew three screws holding the dial.

6.2 Dismantle the mechanism & clean all the parts thoroughly.

6.3 Check pinion & sector for any damaged worn out teeth. If found OK assemble the mechanism in correct sequence.

6.4 Check hair spring for any damage, replace it if badly damaged with new one or coil it correctly.

6.5 Fix the dial & pointer at zero vacuum & with the help of master vacuum gauge calibrate the vacuum gauge & adjust the error.

6.6 Calibration error must not be more than the permissible error.

6.7 Permissible Tolerance is +/- 2% of Full Scale.

7.0 HISTORY

SOP No.	REASON FOR CHANGE	EFFECTIVE DATE



Title: Calibration Procedure of Vacuum Gauge

SOP No.:		Revision No.:	00
Effective Date:		Supersedes No.	Nil
Review Date:		Page No.	2 of 2

8.0 ABBREVIATIONS: The abbreviations used in the SOP are as follows:

- SOP - Standard Operating Procedure
- No. - Number
- QA - Quality Assurance