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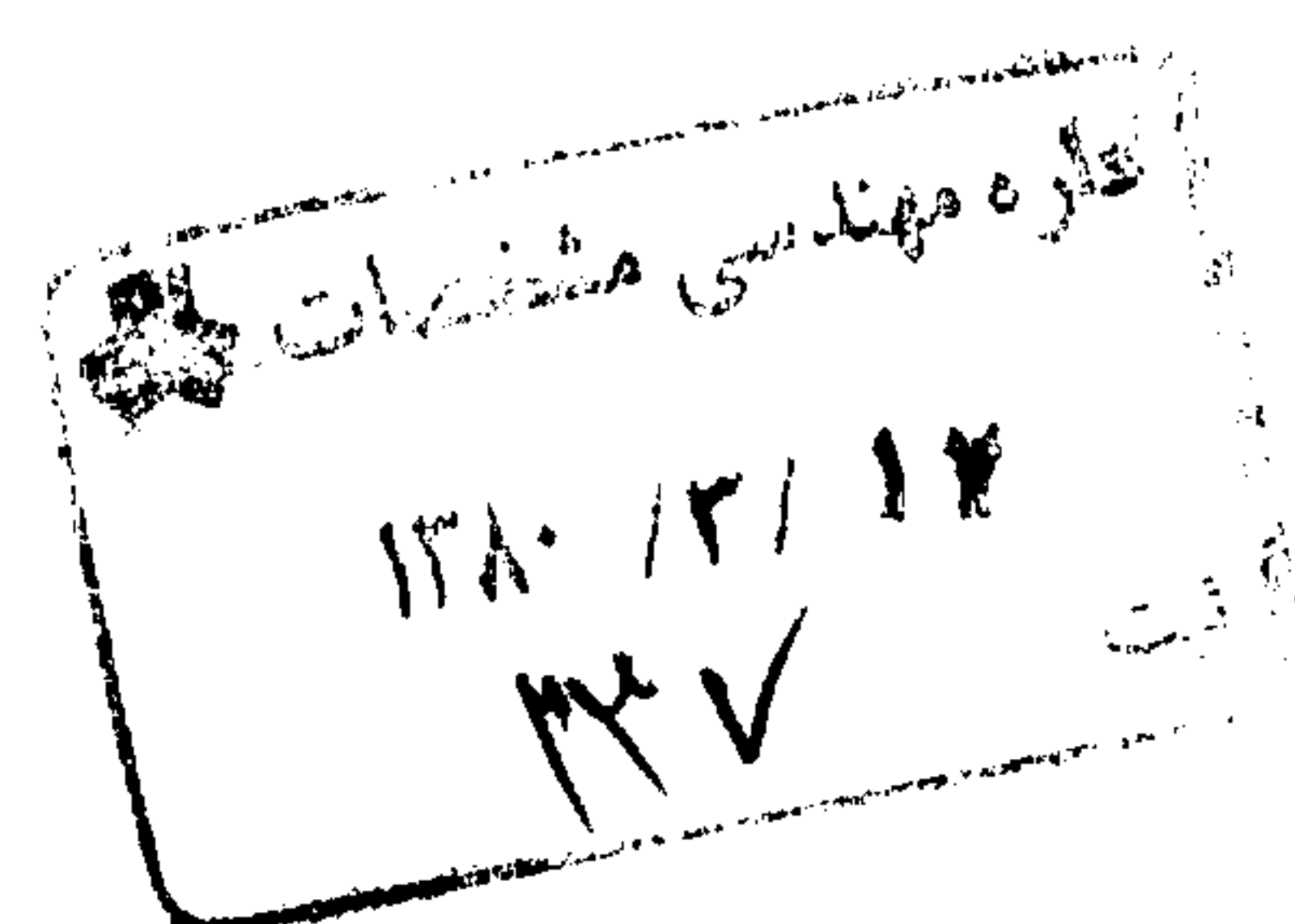
Roll Stability Test of Lubricating Grease

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1. Scope of Application

This standard determines evaluation method of roll stability of grease.

2. Method Summary

Test roll stability of 50g specimen at normal temperature for 2 hours.

3. Testing Machine

- (1) Roll stability tester: As it shall be like the one in figure 1, its RPM shall be 165 ± 15 .
- (2) Cone for 1/4 or 1/2 viscosity tester.

4. Operation

- (1) Mix the grease specimen according to ASTM D1403 (Test for Cone Penetration of Lubricating Grease Using One-Quarter and One-Half Scale Cone Equipment).
- (2) Measure the viscosity according to ASTM D1403.
- (3) Put the non-mixed grease specimen of 50g in cylinder.
Divide the grease to the wall side evenly using a spatula.
Put a roll whose weight is known in cylinder.
- (4) Start the machine, and record time.
Here, temperature shall be RT.
- (5) After operating it for 2 hours, take out the grease, and measure the viscosity with quarter or half scale.

5. Calculation

Calculate the viscosity changing rate with following expression.