



# Power Steering Pressure Pulsation Test

KES T – 1783

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1. Scope of Application

This standard shall be applied for power steering installed in vehicles.

2. Purpose

This standard is to measure and evaluate the pump's pressure pulsation, which causes the power steering fluid joint for vehicle.

3. Evaluation Standard

Table 1

| Pulsation measuring part | Evaluation point                    | Remarks                                                               |
|--------------------------|-------------------------------------|-----------------------------------------------------------------------|
| Pump exit                | Less than 0.3 kg / cm <sup>2</sup>  | Follow the developing object if vehicle type is different each other. |
| Gear entrance            | Less than 0.05 kg / cm <sup>2</sup> |                                                                       |

4. Testing Condition

- (1) Operating Fluid Pressure : 55 ± 5°C
- (2) Pump's Shooting Pressure : No load pressure, 30, 50, 60kg/cm<sup>2</sup>
- (3) Revolution : 600rpm, 800rpm, 1000rpm, 1200rpm or decide as the situation.

5. Preparation for Test

5.1 Measuring Instruments

Table 2

| Measuring instruments |                    | Contents | Quantity needed |
|-----------------------|--------------------|----------|-----------------|
| 1                     | Frequency analyzer | 1 set    | 1 set           |