# **GROUP 3 ENGINE SPEED & STALL RPM**

## 1. TEST CONDITION

- 1) Normal temperature of the whole system
  - Coolant : Approx 80 °C (176 °F)
  - Hydraulic oil  $\phantom{0}$  : 45  $\pm$  5 °C (113  $\pm$  10 °F)
  - Transmission oil : 75  $\pm$  5 °C (167  $\pm$  10 °F)

2) Normal operating pressure : See page 6-54.

## 2. SPECIFICATION

Engine speed, rpm					Remark
Low idle	High idle	Pump stall	Converter stall	Full stall	nemark
950±25	2230±50	2130±70	2150±70	1750±100	

#### **3. ENGINE RPM CHECK**

Remark : If the checked data is not normal, it indicates that the related system is not working properly. Therefore, it is required to check the related system pressure : See page 6-54.

## 1) Pump stall rpm

- Start the engine and raise the bucket approx 45 cm (1.5 ft) as the figure.
- Press the accelerator pedal fully and operate the bucket control lever to the retract position fully.
- Check the engine rpm at the above condition.

# 2) Convertor stall rpm

- Start the engine and lower the bucket on the ground as the figure.
- Set the clutch cut off switch at the released position.
- Press the brake pedal and accelerator pedal fully.
- Shift the transmission lever to the 4th forward position.
- Check the engine rpm at the above condition.

#### 3) Full stall rpm

- Start the engine and raise the bucket approx 45 cm (1.5 ft) as the figure.
- Set the clutch cut off switch at the released position.
- Press the brake pedal and accelerator pedal fully .
- Shift the transmission lever to the 4th forward position and operate the bucket lever to the retract position fully.
- Check the engine rpm at the above condition.





