

Instrument Panel

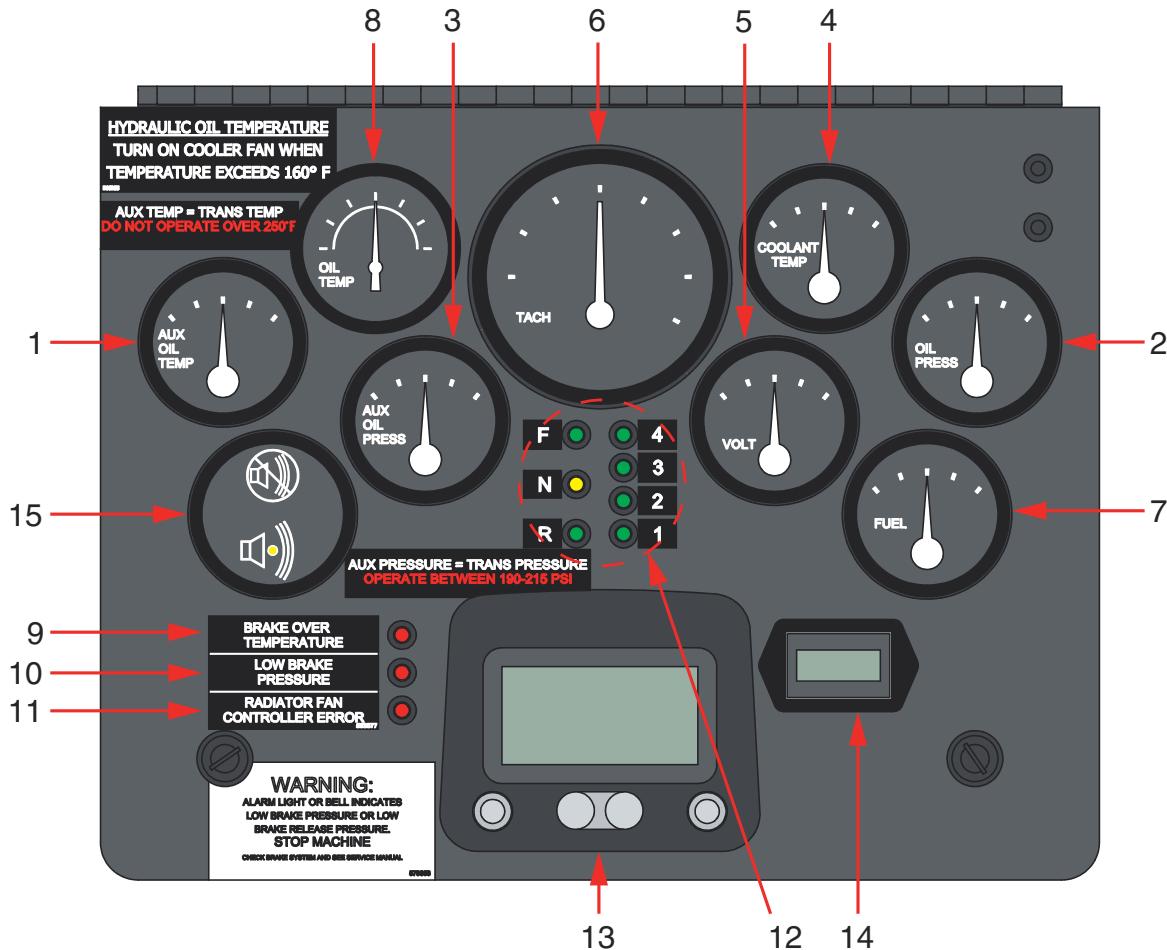


Figure 2-2-1 Instrument Panel

1. Transmission Oil Temperature Gauge

Displays transmission oil temperature. Temperature will vary depending on drive-train loading and ambient conditions. Do not continuously operate at temperatures above 250 F.

2. Engine Oil Pressure Gauge

Displays engine lubricating oil pressure; refer to engine manufacturer for normal operating range. Check engine oil level using dipstick according to manufacturer's recommended practices.



CAUTION

Should this pressure drop below engine manufacturer's specifications during operation,
STOP THE ENGINE IMMEDIATELY AND DETERMINE THE CAUSE.

3. Transmission Oil Pressure Gauge

Displays transmission oil pressure. Normal pressure range at operating temperature is 180-220 psi.

4. Radiator Coolant Temperature

Displays engine coolant temperature. If the temperature holds steady at 220° F or higher, discontinue operation, allow the engine to idle for 3 to 5 minutes, and shut it down. Determine the cause before continuing operation. If a coolant hose failure occurs, shut the engine down immediately. Loss of coolant will result in an incorrect temperature reading.

5. Voltmeter

The voltmeter indicates the voltage condition of the electrical system - whether the alternator is or isn't charging. The numbers indicate volts (acceptable range is 24-28 volts).

6. Tachometer

An electrical tachometer indicating engine revolutions per minute (rpm). To read, multiply the indicated number by 100. Example: $20 \times 100 = 2000$ rpm

7. Fuel Level Gauge

The fuel level gauge indicates how much fuel is remaining in the tank.

8. Hydraulic Oil Temperature Gauge

Displays hydraulic oil temperature. **Do Not** operate machine until hydraulic oil temperature has reached operating temperature ($21^{\circ}\text{ C} / 70^{\circ}\text{ F}$ or higher). See Normal Engine Start-Up in Section 4.

9. Brake Cooling Over Temperature Warning Light

A warning light on the dash signals the operator if the brake cooling hydraulic oil exceeds 250° F (See item 8).

10. Low Brake Pressure Warning Light

A warning light on the dash signals the operator if the accumulator is under 1200 psi, or if a low actuator pressure condition exists. It is normal for the light to come on when starting the machine, but it should go off within 10 seconds. If the warning light stays on, there is a problem in the charge circuit, and the system needs to be checked. A warning will also sound if the brake actuator pressure falls below 1200 psi (See item 10).

11. Radiator Fan Controller Error

A warning light on the dash signals the operator if there is an error with the radiator fan.

12. Direction and Gear Indicator Lights

“F” Forward Indicator Light

Light is on when Transmission Controller is in the forward position.

“N” Neutral Indicator Light

LED is illuminated when Transmission Controller is in the neutral position. The LED will flash when Declutch is activated.

“R” Reverse

LED is illuminated when Transmission Controller is in the reverse position.

“4” Fourth Gear Indicator Light

LED is illuminated when Transmission is in fourth gear.

“3” Third Gear Indicator Light

LED is illuminated when Transmission is in third gear.

“2” Second Gear Indicator Light

LED is illuminated when Transmission is in second gear.

“1” First Gear Indicator Light

LED is illuminated when Transmission is in first gear.

13. Powerview Display Module

The Powerview Display Module is a multi-function tool that enables the operator or service personnel to view many different engine parameters as well as engine service codes (see Section 2-9 for more information regarding the operation of the Powerview Display Module).

14. Hourmeter

Displays time the machine has been powered on.

15. PowerView Audible Alarm

The PowerView alarm will sound when the engine ECM sends a warning or shutdown signal. Low oil pressure and high coolant temperature are two conditions that will result in a warning or shutdown condition. Pressing the silencer button will temporarily silence the audible tone for two minutes on warnings and 30 seconds on shutdown conditions.