

Section 3

Gauge Parameters and Colour Coding

GAUGE COLOUR CODE

The gauges in the operator's compartment are colour coded to assist the operator to recognise if the temperatures and pressures are within the correct operating parameters.

During normal operation some gauges may, at times, read outside of the indicated *normal* operating range e.g. during normal operation, when the operator applies the brake the brake head pressure gauge will drop below the minimum pressure and indicate that the pressure is too low. This is because the pressure is being released from the brakes to allow the springs to apply the brakes. When the operator releases the brake the gauge should then return to the *green* zone.



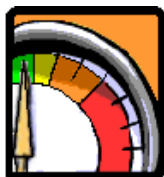
RED: The gauge is indicating an unsafe condition. When this occurs the operator should stop the machine and rectify the problem or have service personnel rectify the problem before placing the machine back in service.



ORANGE: The gauge is indicating a temperature or pressure outside of the normal operating range. The operator should closely monitor the gauge and report the problem to service personnel for rectification.



YELLOW: The gauge is indicating a temperature or pressure below the normal operating range. This will not cause immediate damage if operated for short periods. Report to service personnel for rectification if machine continually operates in this area.



GREEN: The gauge is indicating that the temperature or pressure being monitored is within the normal operating range.

GAUGE ALARM PARAMETERS

Engine Coolant Temperature

0-50°C	Yellow	Coolant temperature too low.
50-104°C	Green	Normal operating temperature range.
104-107°C	Orange	Above normal operating temperature. Engine shutdown imminent.
107-120°C	Red	Above normal operating temperature. Engine should have shutdown. Coolant will be boiling.

Exhaust Gas Temperature

0-140°C	Green	Normal operating temperature range.
140-150°C	Orange	Above normal operating temperature. Engine shutdown imminent.
150-200°C	Red	Above normal operating temperature. Engine should have shutdown.

Engine Oil Pressure

0-100 kPa	Red	Engine oil pressure too low. Engine should have shutdown.
100-600 kPa	Green	Normal operating pressure range.
600-800 kPa	Red	Engine oil pressure too high. Continued operation could result in damage to the engine.

Air Pressure Gauge

0-275 kPa	Orange	Air pressure low. Machine will not start. Machine may shutdown.
275-827 kPa	Green	Normal operating pressure range.
827-1000 kPa	Red	Air pressure too high. Continued long periods of operation could result in damage to the machine.

Brake Accumulator Pressure Gauge

0-13790 kPa	Red	Pressure too low. Brakes may not fully release. Premature brake wear may result if operated for prolonged periods. Needle may drop into this area for a short period when brakes are operating.
13790-18616 kPa	Green	Normal operating pressure range.
18616-25000 kPa	Red	Above normal operating range. Damage to brake components may result if operated for prolonged periods.

Brake Head Pressure Gauge

0-11377 kPa	Red	Pressure below normal operating range. Needle will register in this area during normal operation of brakes and when park brake is applied. Gauge must return to normal operating range when brakes are released. Premature brake wear may result if operation continued.
11377-12756 kPa	Green	Normal operating pressure range.
12756-16000 kPa	Red	Pressure too high. Damage to brake units may occur.

Steering Accumulator Pressure Gauge

0-13790 kPa	Red	Pressure too low. Steering may become heavy to operate. Needle will drop into this area for a short period when steering is operating.
13790-18616 kPa	Green	Normal operating pressure range.
18616-25000 kPa	Red	Above normal operating range. Damage to steering components may result if operated for prolonged periods.