SECTION CB

OPERATING DATA

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TEMPERATURES

LUBRICATING OIL:- Inlet to Engine

88°C (190.4°F)

60°C (140°F)

65°C - 77°C (149°F - 170.6°F)

Maximum

Minimum

Recommended operating range

COOLANT:- Outlet from Engine

Maximum coolant rise across

engine at full load 11°C (51.8°F)

NOTE Whilst maintaining the above recommended coolant outlet temperature, the coolant rise should not be exceeded A greater temperature rise indicates a low coolant flow rate.

EXHAUST

Exhaust gas temperatures are dependant upon speed and load; reference should be made to the Engine Test Sheets for individual cylinder and turbocharger outlet temperatures.

PRESSURES

Lubricating Oil:- pressure at inlet to main oil gallery

At 1500 rev/min and normal

operating temperature 4.5 bar (65 lbf/in2)

NOTE The above pressures are obtained with new lubricating oil filter elements. As the filter elements becomes impregnated with foreign matter, the pressure will fall. The elements should be renewed as indicated by the servicing indicator.

Injector release pressure Fuel feed pressure

302 bar (4375 lbf/in2) 2-2.4 bar (30 - 35 lbf/in2)

SETTINGS

Tappet clearances (engine cold)

Inlet valve Exhaust valve

Lubricating oil relief valve

Fuel reservoir relief valve:

Fuel feed pump by-pass valve:

Engine speed perception head

Clearance between speed perception head and flywheel stud

0.13 mm (0.005 in)

0.50 mm (0.020 in)

Adjust under operating conditions to give pressure quoted for circuit.

Non-adjustable.

Non-adjustable

1.524 mm (0.06 in.) + 0.254 (0.01 in.)

-0

NOTE If the distance between the perception head and the flywheel stud are

outside of the above settings readings will be inaccurate.

INJECTION TIMING

'A' and 'B' bank. 24° BTDC.

Time on No. 8 cylinders Point of fuel injection

OVERSPEED TRIP

Overspeed setting (max) Overspeed setting (min)

Check trip speed

1725 rev/min 1700 rev/min

1410 rev/min (approx)