



- A CONTROL AIR SUPPLY UNIT
- B FUEL OIL SUPPLY
- D SERVO OIL SUPPLY
- E VALVE UNIT FOR START
- H INSTRUMENT PANEL
- I PRESSURE TRANSMITTERS AND PRESSURE TRANSMITTERS
- K LOCAL CONTROL PANEL
- L CONTROL OIL PUMP UNIT
- 1. SPEED SETTING SYSTEM
- 1.01 CRANK ANGLE SENSOR UNIT
- 1.04 SPEED PICK-UPS
- 2. STARTING SYSTEM
- 2.03 SHUT OFF VALVE FOR STARTING AIR
- 2.04 NON-RETURN VALVE
- 2.05 CONTROL VALVE
- 2.06 DRAIN AND TEST VALVE
- 2.07 STARTING VALVE
- 2.08 FLAME ARRESTER
- 2.09 RELIEF VALVE
- 2.10 HANDHELD TPR SHUT OFF VALVE
- 2.13 BLOCKING VALVE ON TURNING GEAR
- 2.21 VENTING VALVE
- 2.27 VENTING VALVE
- 3. FUEL SYSTEM
- 3.01 FUEL INJECTION VALVE
- 3.02 INJECTION CONTROL UNIT
- 3.03 FUEL QUANTITY SENSOR
- 3.04 INTERMEDIATE FUEL ACCUMULATOR
- 3.05 FUEL RAIL
- 3.06 FUEL PRESSURE CONTROL VALVE
- 3.08 FUEL SHUTDOWN PILOT VALVE
- 3.10 FUEL SWITCH
- 3.12 LEAKAGE INSPECTION DEVICE
- 3.14 FUEL PUMPS
- 3.15 FUEL BOOSTER PUMP (PLANT)
- 3.17 INSPECTION POINT
- 3.18 CUT-OFF DEVICE (TOOL)
- 3.20 FUEL PUMP LINAAGE
- 3.21 FUEL PUMP ACTUATOR
- 3.22 NON-RETURN VALVE
- 3.24 FUEL INLET PIPE
- 3.28 PIPING
- 3.29 FUEL RISING PIPE
- 3.31-1 STOP VALVE
- 3.31-2 STOP VALVE
- 3.31-3 STOP VALVE
- 3.33-1 STOP VALVE
- 3.33-2 STOP VALVE
- 3.33-3 STOP VALVE
- 3.34 NON-RETURN VALVE WITH THROTTLE
- 3.35 PLUG
- 3.37 PLUG
- 3.38 PLUG
- 3.40 STOP VALVE
- 3.41 INJECTION CONTROL VALVE
- 3.42 FUEL QUANTITY PISTON ACTUATOR PISTON
- 3.43 CONTROL OIL RETURN PIPING
- 3.44 FUEL LEAKAGE PIPE
- 3.45 INJECTION PIPE
- 3.46 FUEL LEAKAGE PIPE PRESSURIZED
- 3.47 FUEL LEAKAGE PIPE INJECTOR
- 3.48 FUEL OVERPRESSURE SAFETY VALVE
- 3.49 FILLING PLUG
- 3.51 NON-RETURN VALVE (FILLING)
- 3.52 FUEL OVERPRESSURE SAFETY VALVE
- 3.53 PRESSURE RETAINING VALVE
- 3.54 FILLING PLUG
- 3.55 CRANKSHAFT
- 3.62-1 NON-RETURN VALVE
- 3.62-2 STOP VALVE
- 3.67 NON-RETURN VALVE
- 3.68 DRAIN VALVE
- 3.70 OVERFLOW PIPE
- 3.71 RETURN PIPING
- 3.72-1 CONTROL OIL PUMP 1
- 3.72-2 CONTROL OIL PUMP 2
- 3.73-1A PRESSURE RETAINING VALVE
- 3.73-1B SAFETY VALVE
- 3.75-2A PRESSURE RETAINING VALVE
- 3.75-2B SAFETY VALVE
- 3.74 HP CONTROL OIL PIPING
- 3.75 CONTROL OIL RAIL
- 3.76 RAIL VALVE
- 3.77-1 PRESSURE TRANSMITTER
- 3.77-2 PRESSURE TRANSMITTER
- 3.78 PRESSURE TRANSMITTER
- 3.79-1 STOP VALVE
- 3.79-2 STOP VALVE
- 3.80-1 STOP VALVE
- 3.80-2 STOP VALVE
- 4. EXHAUST VALVE DRIVE
- 4.01 EXHAUST VALVE
- 4.02 AIR SPRING
- 4.03 VALVE DRIVE
- 4.06 NON-RETURN VALVE WITH THROTTLE
- 4.08 AIR SPRING VENTING
- 4.10 EXHAUST VALVE ACTUATOR
- 4.11 SERVO OIL RAIL
- 4.14 LEAKAGE INSPECTION DEVICE
- 4.15 SERVO OIL PUMP
- 4.16 PRESSURE CONTROL VALVE
- 4.17 INSPECTION POINT
- 4.18 LEVEL SWITCH
- 4.20 AUTOMATIC FILTER
- 4.22 CRANKCASE
- 4.23 SAFETY VALVE
- 4.24 NON-RETURN VALVE
- 4.25-1 STOP VALVE
- 4.25-2 STOP VALVE
- 4.26-1 STOP VALVE
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- 4.26-97 STOP VALVE
- 4.26-98 STOP VALVE
- 4.26-99 STOP VALVE
- 4.26-100 STOP VALVE
- 7. MONITORING
- 7.18 COLLECTOR FOR LEAKAGE OIL FROM AIR SPRING
- 8. CYLINDER LUBRICATING SYSTEM
- 8.06 CYLINDER LUBRICATING PUMP
- 8.07 PRESSURE REDUCING VALVE
- 8.11-1 PRESSURE REDUCING VALVE
- 8.12 LUBRICATING OIL WITH INJECTION NOZZLE
- 8.13 NON-RETURN VALVE
- 9. ENGINE ROOM
- 9.01 STARTING AIR BOTTLES

PULSE JET

7-42.366	31.03.06			
Number	Draw date	Number	Draw date	Number
8-14RT-flex96C-B				

ENGINE CONTROL DIAGRAM
DENIS-9520 / WECS-9520 / DYNEX

O-107.368.261

WARTSILA

SURFACE PROTECTION SEE GROUP 6544
GENERAL TOLERANCES ACCORDING TO ISO 2768-m