

**MAINTENANCE SCHEDULE**

KIND OF USED FUEL OIL : 3500sec.

REMARKS:

NOV. 2000

○ : INSPECTION ● : REPLACEMENT

INSPECTION ITEMS	MAINTENANCE DIVISION	MAINTENANCE INTERVALS (HRS)																						
		3000	6000	9000	12000	15000	18000	21000	24000	27000	30000	33000	36000	39000	42000	45000	48000	51000	54000	57000	60000	63000	66000	69000
INSPECTION OF ENGINE OUTLINE AND CHECK LEAKAGE OF L.O., F.O., C.W., AIR, GAS ETC.	I	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CHECK THE INSIDE OF CRANK CASE AND CAM CASE		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CHECK LUB. OIL ANALYSIS OF THE ENGINE		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CHECK AND REPLACE THE LUB. OIL (T/C, GOVERNOR, AIR COMPRESSOR ETC.)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DISASSEMBLE AND CLEAN THE FILTERS(L.O., F.O., C.W. ETC.)		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CHECK THERMOMETER AND PRESS. GAUGE (REPLACE IF NECESSARY)		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CLEAN AND MAKE PRESS. ADJUSTMENT OF F. O. INJECTION NOZZLE (REPLACE IF NECESSARY)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
ADJUST THE TAPPET CLEARANCE		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
TRIAL ENGINE OPERATION AND RECORD THE DATA		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DISASSEMBLE AND CLEAN THE F.O. INJECTION PUMP AND REPLACE DEFLECTOR	II (I + II)		●		●		●		●		●		●		●		●		●		●		●	
DISASSEMBLE AND CLEAN THE CYLINDER HEAD		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
POLISH THE IN., EXH. STARTING VALVES AND EACH VALVE SEAT		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CHECK INTAKE AND EXH. VALVE ROTATOR(REPLACE INSIDE BALLS AND SPRINGS IF NECESSARY)		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
OVERHAUL AND MAKE PRESS. ADJUSTMENT OF CYLINDER SAFETY VALVE		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
EXTRACT, CLEAN AND MEASURE THE PROTECT RING		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DISASSEMBLE AND CLEAN THE I/C, LO COOLER, FW COOLER ETC.		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
OVERHAUL THE T/C		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CHECK THE TIGHTENING TORQUE OF CONNECTING ROD BOLT AND BALANCE WEIGHT BOLT		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CHECK THE F.O. INJECTION TIMING		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
MEASURE THE CRANK DEFLECTION		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
REPLACE THE THERMOMETER AND PRESS. GAUGE ETC. (IF NECESSARY)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
OVERHAUL THE INTAKE, EXHAUST AND F.O. TAPPET	III (I + II + III)				○				○				○				○				○			
EXTRACT EXHAUST VALVE SEAT AND REPLACE O RING					●				●				●				●				●			
EXTRACT NOZZLE HOLDER GUIDE AND REPLACE O RING					●				●				●				●				●			
DISASSEMBLE VALVE ROTATOR AND REPLACE INSIDE BALL AND SPRING					●				●				●				●				●			
OVERHAUL THE PISTON AND REPLACE PISTON RING ETC.					●				●				●				●				●			
CHECK AND CLEAN THE CYLINDER LINER AND MEASURE INSIDE DIAMETER					○				○				○				○				○			
CHECK THE CRANK PIN BEARING SHELL AND MAIN BEARING SHELL					○				○				○				○				○			
CHECK THE CAM SHAFT BEARING					○				○				○				○				○			
OVERHAUL THE ENGINE DRIVEN F. O. PUMP, L. O. PUMP, C. W. PUMP ETC. AND REPLACE BEARING					○				○				○				○				○			
OVERHAUL T/C AND REPLACE BEARING					○				○				○				○				○			
OVERHAUL THE GOVERNOR					○				○				○				○				○			
OVERHAUL THE GOVERNOR DRIVING DEVICE					○				○				○				○				○			
OVERHAUL THE STARTING AIR VALVE, STARTING AIR CONTROL VALVE, STARTING AIR ROTARY VALVE AND FUEL SHUT DOWN DEVICE					○				○				○				○				○			
REPLACE O RING ETC. OF EACH OIL RELIEF VALVE					○				○				○				○				○			
CHECK THE TIMING GEAR AND RETIGTEN THE TIMING GEAR BOLTS					○				○				○				○				○			
OVERHAUL THE AIR COMPRESSOR AND REPLACE THE PISTON RING ETC.				○				○				○				○				○				
CHECK THE FUNCTION OF PROTECTIVE DEVICES				○				○				○				○				○				
EXTRACT AND CLEAN THE CYLINDER LINER	IV (I + II + III + IV)								○								○							
REPLACE THE PROTECT RING IF NECESSARY									●								●							
REPLACE INTAKE AND EXHAUST VALVE ROTATOR ASSY. IF NECESSARY									●								●							
REPLACE INTAKE AND EXHAUST VALVE COTTER IF NECESSARY									●								●							
REPLACE NOZZLE HOLDER PARTS									●								●							
REPLACE F.O. INJECTION BLOCK PARTS									●								●							
REPLACE PLUNGER, DELIVERY VALVE OF F.O. INJECTION PUMP									●								●							
REPLACE CRANKPIN BEARING SHELL, MAIN BEARING SHELL AND THRUST BEARING SHELL IF NECESSARY									●								●							
REPLACE CAM SHAFT BEARING IF NECESSARY									●								●							
REPLACE CON-ROD BOLT, PISTON CROWN BOLT									●								●							
REPLACE INTAKE VALVE, EXH. VALVE, VALVE SEAT AND VALVE GUIDE								●								●								
REPLACE STARTING VALVE IF NECESSARY								●								●								
REPLACE O RING ETC. OF THE OIL PRESS. JACK AND OIL PRESS. RAM								●								●								
REPLACE CYLINDER LINER IF NECESSARY	V (I + II + III + IV + V)															●								