

OVERVIEW OF YANMAR TECHNICAL TRAINING SCHOOL (INDIA)



Course Durations: 5 days

Course Applicability : 2/A/E & 3/A/E



Course at Yanmar Technical Training Schools

- Training engine, of 1MW, 2012 built, is IMO Tier 2 compliant
- Training combines theory with hands-on practice
- Comprehensively covers engine, associated equipment, electrical & control systems



- helps spread and enhance expertise in O&M of 4-Stroke engines.
- Course content, QC and certification are by Yanmar
- Trainers are factory trained
- Batch size is limited to a maximum of 7
- Course is offered only to Yanmar users



YANMAR TRAINING SCHEDULE-(INDIA)



Training Schedule

	0900 ~ 1000	1000 ~ 1100	1100 ~ 1200	1200 ~ 1300	1300 ~ 1400	1400 ~ 1700
Day 1 st (Monday)	<u>OPENING</u> <ul style="list-style-type: none"> Self-introduction and which skill you want Attention for Safety 	<u>COMPANY PROFILE</u> <ul style="list-style-type: none"> All about Yanmar/Ind-Aust Large Power Products operation Division 	<ul style="list-style-type: none"> Operating Principles of Diesel Engine Basic Theory and Construction 	L U N C H T I M E	<ul style="list-style-type: none"> Cycle Operation Valve Operation Load Application on AC generator use 	<u>MAJOR DIESEL ENGINE COMPONENTS</u> <ul style="list-style-type: none"> Fuel injection nozzle and Pump Operating principles and functions <u>HANDS ON TRAINING</u> <ul style="list-style-type: none"> FO Injection nozzle and injection pump
Day 2 nd (Tuesday)	<ul style="list-style-type: none"> Air intake and Exhaust system Turbocharger function & Boost Air Pressure Principle of Exhaust gas turbocharger <u>HANDS ON TRAINING</u> <ul style="list-style-type: none"> Exhaust gas turbocharger (RH / MET type) 	<u>GOVERNOR</u> <ul style="list-style-type: none"> Principles of Mechanical and Hydraulic type Governor 			<u>HANDS ON TRAINING</u> <ul style="list-style-type: none"> YANMAR'S hydraulic governor 	<ul style="list-style-type: none"> Starting System Principle of Air starting motor <u>HANDS ON TRAINING</u> <ul style="list-style-type: none"> Air Starting Motor (TDI 45 MA)
Day 3 rd (Wednesday)	<ul style="list-style-type: none"> Introduction of Yanmar's latest Technology Model : EY22 Exhaust gas Emission Design concept of model EY series 	<u>HANDS ON TRAINING</u> <ul style="list-style-type: none"> Disassemble 6N21AL engine Handling of Hydraulic tool Measuring inner diameter of cylinder liner 			<ul style="list-style-type: none"> Measuring the width of piston top ring groove 	<ul style="list-style-type: none"> Reassemble 6N21AL engine Adjust the valve clearance Setting FO injection timing Crankshaft Deflection
Day 4 th (Thursday)	<u>HANDS ON TRAINING</u> Removal & fitment of Main Bearing				<ul style="list-style-type: none"> Engine start, stop and Operation Start-up procedure Check after stop 	<u>HANDS ON TRAINING</u> <ul style="list-style-type: none"> Engine start and run Measuring engine performance data
Day 5 th (Friday)	<u>LO AND COOLING WATER</u> <ul style="list-style-type: none"> LO quality and requirements Cooling water quality and requirements 	<u>HEAVY FUEL OIL BURNING OPERATION</u> <ul style="list-style-type: none"> Check points of HFO operating condition Trouble with HFO operation Example of damage / cause/ prevention 			<u>TROUBLE SHOOTING</u>	<u>QUESTION AND ANSWER</u> <ul style="list-style-type: none"> Training review