

DIESEL MAINTENANCE MECHANIC

Special Note: ALSO REFERRED TO AS “ POWER SUPPLY MECHANIC”

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Course Title	Base Program		Study Unit
	Course Number	Course Duration	
Fundamentals of Power Plant Operation, Part 1	786005	10 hours	Print
Fundamentals of Power Plant Operation, Part 2	786006	10 hours	Print
Fundamentals of Power Plant Operation, Part 3	786007	10 hours	Print
Arithmetic for Mechanics (Diesel)	0A15	10 hours	Print
Formulas	186307	(5 hours)	Print
Practical Geometry and Trigonometry	5567	10 hours	Print
Principles of Mechanics	286007 - 286008	20 hours	Print
Elements of Chemistry	5011	10 hours	Print
Heat	686001 - 686002	20 hours	Print
Drawing and Sketching for the Mechanic (Diesel)	0A16	10 hours	Print
Metric System	186306	(5 hours)	Print
Shop and Hand Tools (Diesel)	0A14	10 hours	Print
I-C Engine Fuels and Combustion	2526	10 hours	Print
Diesel Engine Parts, Part 1	00A4	10 hours	Print
Diesel Engine Parts, Part 2	00A5	10 hours	Print
Reading Micrometers, Dial Gauges, and Other			
Measuring Instruments (Diesel)	0A17	10 hours	Print
Diesel Engine Operations, Part 1	0A11	10 hours	Print
Diesel Engine Operations, Part 2	0A12	10 hours	Print
Fuel Systems, Part 1 (Diesel)	00A6	10 hours	Print
Fuel Systems, Part 2 (Diesel)	00A7	10 hours	Print
Lubricating Systems (Diesel)	00A8	10 hours	Print
Cooling, Air Intake, and Exhaust Systems (Diesel)	00A9	10 hours	Print
Engine and Allied Equipment Service Manuals			
(Diesel)	0A18	10 hours	Print
Maintenance of Lubricating and Fuel Systems			
(Diesel)	0A21	10 hours	Print
Lubrication	286091 - 286092	20 hours	Print
Principles of the I-C Engine	2525	10 hours	Print
Failure Analysis (Diesel)	0A20	10 hours	Print
Welding (Diesel)	0A13	10 hours	Print
Introduction to Caterpillar Diesel Engines	00E1	15 hours	Print

POWER SUPPLY MECHANIC PG 2

Introduction to Cummins Diesel Engines	00H1	15 hours	Print
I-C Engine Testing	2527	10 hours	Print
Troubleshooting Diesel Engines	0A19	10 hours	Print
Pumps	286001 - 286003	30 hours	Print
Air Compressors, Part 1	286096	10 hours	Print
Air Compressors, Part 2	286097	10 hours	Print
Steam Boiler Operation and Maintenance	6734	10 hours	Print
Combustion Turbines, Part 1	786013	10 hours	Print
Combustion Turbines, Part 2	786014	10 hours	Print
Combustion Turbines, Part 3	786015	10 hours	Print

Estimated Total Curriculum Duration: 440 hours.

Number of Exams: 44.

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