## **Apprenticeship** Manitoba

## Level Chart: Marine and Outdoor Power Equipment Technician - Technical Training

Level One (9 Weeks)				Level Two (9 Weeks)			
Code	Unit Title	Т	Р	Code	Unit Title	Т	Р
A1	Orientation I: Structure and Scope of Marine and Outdoor Power Equipment Technician Trade Learning	7	0	B2	Trade Mathematics II	16	0
A2	Trade Safety Awareness	7	0	C2	Fundamentals of Two-Stroke Cycle Engines	0	26
A4	Tools and Equipment	7	14	C3	Fundamentals of Four-Stroke Cycle Engines	0	45
A5	Communication Skills	9	0	F1	Frames and Structural Components	7	0
A6	Fluids and Lubricants	14	0	F3	Steering Systems II	14	7
A7	Fasteners, Bearings and Sealants	10	4	F4	Suspension Systems	25	15
A8	Unit Assembly and Seasonal Preparation	9	16	F5	Braking Systems	20	14
A9	Trade Related Documents	14	0	G2	Electrical Principles II	20	15
B1	Trade Mathematics I	18	0	G4	Charging and Starting Systems	14	14
C1	Fundamentals of Engines	20	15	G5	Ignition Systems I	10	4
D1	Primary Drive Systems	25	25	H1	Operator Controls	10	4
E1	Fuel Systems I	14	7	H2	Hydraulic Systems	20	15
E3	Exhaust Systems I	7	0				
F2	Steering Systems I	5	5				
F6	Wheels/Tracks and Undercarriages	7	7				
G1	Electrical Principles I	21	0				
G3	Batteries	7	7				
G7	Electrical Accessories	7	7				
	Subtotals	208	107		Subtotals	156	159
	Total		315 Hours		Total	315	Hours

Level Three (9 Weeks)							
Code	Unit Title	T	Р				
D2	Transmission Systems		45				
D3	Final Drive Systems		50				
E2	Fuel Systems II	20	17				
E4	Exhaust Systems II	20	17				
G6	Ignition Systems II	20	17				
G8	Computer Management Systems	7	7				
A3	Orientation II: The Job of Journeywork	7	0				
A10	Pre-Provincial Review	8	0				
	Subtotals	162	153				
	Total	315 Hours					

