



## **Marine Service Technology**

### **2023 SkillsUSA Michigan State Championships Contest Description Task and Material List**

#### **CONTEST LOCATION:**

M-TEC Tassell Center 622  
Godfrey Ave SW Grand  
Rapids, MI, US (616) 234-  
3800

<http://cms.grcc.edu/node/2006>

#### **RESUME:**

Each student must submit a one-page printed resume before the contest start at the contest site (present to contest coordinator, not judges). The resume is no longer submitted online. This is the only time that resumes can be turned in. Failure to do so will result in a 10 point penalty.

#### **TASKS TO BE PERFORMED:**

- Written test on parts identification using computer and electronics parts catalog.
- Written test concerning basic engine theory, diagnosis, and repair procedures, electrical testing, and preventive maintenance and troubleshooting.
- Diagnose problems with fuel, electrical systems, lower units, power transfer systems, cooling systems, remote controls, and power trim systems.
- Measure various engine components and diagnosis condition. ie: cylinder block, pistons, lower unit.
- Written test to include technical and SkillsUSA professional development.
- Diagnose problems using multimeter.

## STUDENTS MUST SUPPLY:

- Safety glasses with side shields or goggles
- Leather work shoes
- Resume - 1 page
- No school logo, school name, contestant name or any other identifying marks of any kind on clothing anywhere on the competition site, including the holding area. If you do have them, they must be covered up so that no part of the identification is visible.

Note: Non compliance with clothing or safety gear requirements will result in points being deducted from the contestants score.

Note: Engines will be Yamaha and four cycle marine components.

Revised 1/4/23

# SCORECARD Marine Service Technology

Contestant Number

Items Evaluated	Possible Points								
<b>Project 1</b>	<b>240</b>								
<b>Project 2</b>	<b>240</b>								
<b>Project 3</b>	<b>240</b>								
<b>Written Test</b>	<b>280</b>								
<b>Résumé Penalty</b>	<b>0 or -10 only</b>								
<b>Clothing Penalty</b>	<b>0 to -50</b>								
<b>Safety Penalty</b>									
<b>Total Possible Points</b>	<b>1000</b>								

**Date:** \_\_\_\_\_

**Judges' Signatures:** \_\_\_\_\_

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