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› Stens 160-423 Super Turf Lawn Mower Tire Instruction Manual

Stens 160-423

Stens 160-423 Super Turf Lawn Mower Tire Instruction Manual

1. PRODUCT OVERVIEW

The Stens 160-423 is a Super Turf tire designed for lawn mowers and similar outdoor power equipment. This tubeless tire features a 4-ply construction for durability and a tread pattern optimized for traction across various terrains while minimizing turf damage. It is engineered to provide enhanced puncture resistance and a long tread life, making it suitable for demanding applications.



Image 1: The Stens 160-423 Super Turf tire, showcasing its tread pattern and overall design.

2. INSTALLATION INSTRUCTIONS

Safety First: Always wear appropriate safety gear, including gloves and eye protection, when handling tires and tools. Ensure the equipment is turned off and secured before beginning installation.

Tire Mounting Procedure:

1. **Prepare the Rim:** Inspect the rim for any damage, rust, or sharp edges. Clean the rim thoroughly to ensure a proper seal.
2. **Lubricate Beads:** Apply a suitable tire lubricant to both beads of the new tire. This aids in smooth mounting and seating.
3. **Mount One Bead:** Carefully position the tire on the rim and use a tire mounting tool or appropriate lever to seat one side of the tire bead onto the rim.
4. **Mount Second Bead:** With the first bead seated, work the second bead over the rim flange. Ensure not to pinch the tire or damage the bead.

5. **Inflate the Tire:** Slowly inflate the tire using an air compressor. Listen for the beads to seat with an audible pop. Do not exceed the maximum recommended pressure of 22 PSI during seating.
6. **Check for Leaks:** Once seated, inflate the tire to the recommended operating pressure (refer to Section 3). Apply a soapy water solution around the beads and valve stem to check for any air leaks.



Image 2: A technician carefully installing a tire onto a rim, demonstrating proper handling during the mounting process.

3. OPERATING GUIDELINES

Proper operation and maintenance are crucial for the longevity and performance of your Stens 160-423 tire.

- **Inflation Pressure:** Maintain the tire pressure at the recommended level for your equipment, typically not exceeding the maximum of **22 PSI**. Incorrect inflation can lead to premature wear, reduced traction, and potential tire failure.
- **Load Capacity:** Do not exceed the maximum load capacity of **1190 lbs** per tire. Overloading can cause excessive heat buildup, structural damage, and unsafe operating conditions.
- **Application:** This Super Turf tire is designed for lawn mowers and similar turf-friendly applications. Its tread provides effective traction on various terrains while minimizing damage to grass and delicate surfaces.
- **Speed:** Operate equipment within safe speed limits. High speeds, especially with heavy loads, can generate excessive heat and stress on the tires.

4. MAINTENANCE AND CARE

Regular inspection and maintenance will extend the life of your tire and ensure safe operation.

- **Check Tire Pressure Regularly:** Verify tire pressure before each use or at least weekly. Adjust to the recommended PSI as needed.
- **Inspect for Wear:** Periodically check the tire tread for signs of uneven wear, cuts, cracks, or embedded foreign objects. Remove any debris carefully.
- **Examine Sidewalls:** Look for bulges, cracks, or other damage on the tire sidewalls. Any significant damage may require tire replacement.
- **Clean Tires:** Keep tires clean from excessive dirt, mud, and chemicals that could degrade the rubber over time.
- **Proper Storage:** If storing equipment for extended periods, ensure tires are properly inflated and stored in a cool, dry place away from direct sunlight and ozone-producing equipment.



Image 3: A close-up view of the tire's Super Turf tread, highlighting areas for routine inspection for wear or damage.

5. TROUBLESHOOTING COMMON ISSUES

This section addresses common problems you might encounter with your tire.

Problem	Possible Cause	Solution
Low Tire Pressure	Slow leak, temperature changes, natural air loss	Check for punctures. Inflate to recommended PSI (max 22 PSI). If pressure loss persists, inspect for leaks at valve stem or bead.
Uneven Tread Wear	Improper inflation, misalignment, worn suspension components	Ensure correct tire pressure. Consult equipment manual for alignment specifications. Inspect equipment for worn parts.
Tire Puncture	Sharp object penetration	For minor punctures, a tire repair kit may be used. For significant damage, professional repair or tire replacement is recommended.
Tire Not Seating on Rim	Insufficient lubrication, damaged bead, incorrect rim size	Ensure beads are well lubricated. Check rim and tire for damage. Verify tire and rim sizes are compatible. Use appropriate air pressure for seating (do not exceed max PSI).

6. PRODUCT SPECIFICATIONS

Detailed specifications for the Stens 160-423 tire are provided below.

Specification	Value
Model Number	160-423
Tire Size	20x10.50-8
Tread Type	Super Turf
Ply Rating	4 Ply
Rim Size	8 inches

Specification	Value
Maximum PSI	22 PSI
Maximum Load Capacity	1190 lbs
Type	Tubeless
Item Weight	11.9 pounds
UPC	023899410552
OEM Part Numbers	Exmark: 120-6466, Kenda: 105000878B1, 244C1009, Scag: 484057

7. WARRANTY AND SUPPORT

Specific warranty details for the Stens 160-423 tire are not provided in this manual. For information regarding warranty coverage, claims, or technical support, please contact Stens directly or refer to their official website. You can visit the official Stens store for more information: [Stens Official Store](#)