

belarus tractor manual 825

Belarus Tractor Manual 825 is an essential document for anyone who owns or operates the Belarus 825 tractor. This manual provides comprehensive information about the tractor's operation, maintenance, and troubleshooting. The Belarus 825 tractor is known for its robust design and versatility in various agricultural tasks. Understanding the manual can significantly enhance the efficiency and longevity of the tractor.

Overview of the Belarus 825 Tractor

The Belarus 825 is a powerful agricultural tractor, recognized for its reliability and efficiency in the field. Manufactured by the Minsk Tractor Works in Belarus, this tractor is designed for various farming tasks, including plowing, tilling, and transporting materials. With a horsepower rating of approximately 80 hp, the Belarus 825 is equipped to handle a wide range of agricultural machinery.

Key Specifications

- Engine Type: Diesel, 4-cylinder
- Power Output: 80 hp (approximately 59.5 kW)
- Transmission: 6-speed manual gearbox
- Weight: Approximately 3,800 kg
- Dimensions:
- Length: 4,054 mm
- Width: 2,290 mm
- Height: 2,650 mm

These specifications make the Belarus 825 an excellent choice for farmers seeking a durable and powerful machine for their agricultural needs.

Importance of the Belarus Tractor Manual 825

The Belarus Tractor Manual 825 serves multiple purposes, making it an invaluable resource for users. Here are some of the reasons why this manual is important:

1. Operating Instructions: The manual provides detailed instructions on how to operate the tractor safely and efficiently. Understanding these guidelines helps prevent accidents and ensures optimal performance.
2. Maintenance Guidelines: Regular maintenance is crucial for the longevity of the tractor. The manual outlines a maintenance schedule, including oil changes, filter replacements, and other essential upkeep tasks.
3. Troubleshooting Assistance: The manual includes troubleshooting tips for common issues that

may arise during operation. This information can save time and reduce the cost of repairs.

4. **Parts Identification:** Users can refer to the manual for information on parts and components, making it easier to order replacements when necessary.

5. **Safety Precautions:** It emphasizes safety measures that operators should follow while using the tractor to prevent injury and damage.

Operating Your Belarus 825 Tractor

To operate the Belarus 825 tractor effectively, users should familiarize themselves with the controls and features. Here's a step-by-step guide on how to get started:

Starting the Tractor

1. **Pre-Start Checks:**

- Inspect the fuel level and fill if necessary.
- Check the oil level and top up if needed.
- Ensure that all fluid levels (coolant, hydraulic fluid, etc.) are adequate.
- Examine the tires for proper inflation and any signs of wear.

2. **Starting Procedure:**

- Sit in the operator's seat and ensure the gear lever is in the neutral position.
- Depress the clutch pedal.
- Turn the ignition key to the 'start' position and release it once the engine starts.
- Allow the engine to idle for a few minutes before engaging any implements.

Operating Controls

Familiarize yourself with the various controls:

- **Throttle Control:** Adjusts the engine speed.
- **Clutch Pedal:** Disengages the engine from the transmission.
- **Gear Lever:** Used to shift gears for speed and torque adjustments.
- **Hydraulic Controls:** Operates attachments and implements.

Understanding these controls is essential for effective tractor operation.

Maintenance Procedures for the Belarus 825 Tractor

Proper maintenance is vital for ensuring the longevity and efficiency of the Belarus 825 tractor. The manual provides a detailed maintenance schedule, which includes the following key tasks:

Daily Maintenance

- Check and top up engine oil if necessary.
- Inspect the coolant level and ensure it is within the recommended range.
- Examine the hydraulic fluid level.
- Clean air filters and check for clogs.
- Inspect tires for pressure and damage.

Weekly Maintenance

- Check battery connections and clean terminals.
- Inspect belts for wear and tension.
- Lubricate all greasing points.
- Examine the fuel system for leaks or clogs.

Monthly Maintenance

- Change engine oil and replace oil filters.
- Check and change fuel filters as needed.
- Inspect the hydraulic system for leaks.

Seasonal Maintenance

- Thoroughly clean the tractor and remove any debris.
- Check the condition of all lights and electrical systems.
- Inspect the entire hydraulic system for wear and tear.

Regular maintenance not only prolongs the life of the tractor but also enhances its performance in the field.

Troubleshooting Common Issues

Even with regular maintenance, users may encounter issues with their Belarus 825 tractor. The manual provides a troubleshooting section for common problems:

Engine Won't Start

- Possible Causes:
- Insufficient fuel.
- Dead battery.

- Faulty starter motor.
- Solutions:
 - Check fuel levels and refill if necessary.
 - Jump-start the battery or replace it if defective.
 - Inspect and replace the starter motor if it is not functioning.

Overheating Engine

- Possible Causes:
 - Low coolant levels.
 - Clogged radiator.
 - Faulty thermostat.
- Solutions:
 - Check and top up coolant levels.
 - Clean the radiator and ensure airflow is unobstructed.
 - Replace the thermostat if it is malfunctioning.

Hydraulic System Failure

- Possible Causes:
 - Low hydraulic fluid levels.
 - Leaks in hydraulic lines.
 - Faulty hydraulic pump.
- Solutions:
 - Check fluid levels and refill as necessary.
 - Inspect hydraulic lines for leaks and replace damaged sections.
 - Test the hydraulic pump and replace it if it is defective.

Conclusion

The Belarus Tractor Manual 825 is an indispensable resource for anyone involved with this powerful agricultural machine. By understanding the manual, users can ensure safe operation, perform regular maintenance, and troubleshoot common issues effectively. The Belarus 825 tractor's capabilities make it a valuable asset on any farm, and proper management of this equipment will enhance its performance and extend its service life. Whether you are a seasoned operator or a new owner, the knowledge contained within the manual will undoubtedly contribute to your success in the field.

Frequently Asked Questions

What is the primary purpose of the Belarus Tractor 825 manual?

The primary purpose of the Belarus Tractor 825 manual is to provide operators with detailed instructions on the use, maintenance, and troubleshooting of the tractor, ensuring optimal performance and safety.

Where can I find a PDF version of the Belarus Tractor 825 manual?

A PDF version of the Belarus Tractor 825 manual can typically be found on the manufacturer's official website or through authorized dealers. Additionally, online forums and agricultural equipment websites may offer downloadable versions.

What are some common troubleshooting tips included in the Belarus Tractor 825 manual?

Common troubleshooting tips in the Belarus Tractor 825 manual include checking fuel levels, inspecting battery connections, ensuring proper tire pressure, and examining hydraulic fluid levels for any leaks.

Does the Belarus Tractor 825 manual cover safety precautions?

Yes, the Belarus Tractor 825 manual includes a section on safety precautions, which outlines necessary safety gear, proper operating procedures, and guidelines for working in hazardous conditions.

How often should I service my Belarus Tractor 825 according to the manual?

According to the manual, the Belarus Tractor 825 should be serviced regularly, with key maintenance checks recommended after every 100 hours of operation, including oil changes and filter replacements.

What specifications are detailed in the Belarus Tractor 825 manual?

The specifications detailed in the Belarus Tractor 825 manual include engine type, horsepower, weight, dimensions, fuel capacity, and hydraulic system specifications, providing essential information for operators.

Are there diagrams and illustrations in the Belarus Tractor 825 manual?

Yes, the Belarus Tractor 825 manual contains diagrams and illustrations that help clarify assembly, disassembly, and maintenance procedures, making it easier for operators to understand complex tasks.

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