

# STARIK®

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## OIL TRANSFER PUMP SELF-PRIMING 12V

ITEM # 21111



## OWNER'S MANUAL AND SAFETY INSTRUCTIONS

SAVE THIS MANUAL. KEEP THIS MANUAL FOR SAFETY WARNINGS, PRECAUTIONS, ASSEMBLY, OPERATION, INSPECTION, MAINTENANCE AND CLEANING PROCEDURES. WRITE THE PRODUCT'S SERIAL NUMBER ON THE BACK OF THE MANUAL, OR THE MONTH AND YEAR OF PURCHASE IF PRODUCT HAS NO SERIAL NUMBER

FOR QUESTIONS, PLEASE CALL CUSTOMER SERVICE: 909.628.0880

# SAFETY WARNINGS

## WARNING

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in injury and/or property damage. Save all warnings and instructions for future reference.

The warning and safety instructions in this manual are not meant to cover all possible conditions and situations that may occur. Common sense, caution and care must be exercised when operating or cleaning tools and equipment. Always contact your dealer, distributor, service agent or manufacturer about problems or conditions you do not understand before operating the product.

- **Keep the work area clean and well lit.** A cluttered work area may cause accidents. Never allow children to use this product. When operating this product, keep children and animals at a safe distance from the work area.
- When not in use, store product in a secure, dry and safe place. The storage area should be out of the reach of children. Never use the hose for anything other than its intended purpose. Maintain this product with care.
- Observe appropriate work area conditions. Do not use the pump in damp or wet locations. Don't expose to rain. Keep work area well lit.
- Use proper eye protection when assembling and using the hose reel.
- Keep children away. Children must never be allowed in the work area. Do not let them handle the pump. Locate the pump in an area out of reach of children.
- Store idle equipment. When not in use, the pump must be stored in a dry location to inhibit rust. Always lock up the pump and keep out of reach of children.
- Use the right tool for the job. Do not attempt to force a small pump or attachment to do the work of a larger industrial pump. There are certain applications for which this pump was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this pump and do not use this tool for a purpose for which it was not intended.
- Dress properly. Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically non-conductive clothes and non-skid footwear are recommended when working. Wear restrictive hair covering to contain long hair.
- Maintain pump with care. Keep the pump clean for better and safer performance. The handle must be kept clean, dry, and free from oil and grease at all times.
- Check for damaged parts. Before using any pump, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment and binding of moving parts, any broken parts or mounting fixtures and any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician.
- Do not operate pump if under the influence of alcohol or drugs. Read warning labels if taking prescription medicine to determine if your judgement or reflexes are impaired while taking drugs. If there is any doubt, do not operate the pump.
- Maintenance. For your safety, maintenance should be performed regularly by a qualified technician.

**SAVE THESE WARNINGS.**

# OPERATION

The DC oil pump has been tested and passed through a strict performance test for temperature resistance and anti-shock with a high quality protection rating of IP55. Car batteries may be used to power the pump for fast and convenient fuel pumping, It may be also used with a fueling nozzle and filters for ensuring the flow of clean diesel or kerosene fuel. This pump is designed for all kinds of machinery, tractor and farm equipment.

## **TECHNICAL PARAMETERS:**

NETED VOLTAGE: 12V . NO-LOAD SPEED: 4500r/min. SPEED RANGE: 3500r/min

RATED CURRENT: 13A . NETED TORQUE: 155W. Absorbing Distance: 5m Lift Distance: 10m

Flow Rate: 40L/min. Dimension: 3/4 . Applicable medium: DIESEL KEROSENE!

1. The power source voltage should be confirmed to match the power input of the pump prior to connecting to the pump.
2. Voltage tolerance of +/-5%.
3. Oil transfer is in the direction of the arrow as indicated on the pump.
4. Be sure to have an air-tight seal on the suction hose so proper flow can be achieved. The filter screen should be installed on the end of the suction hose to prevent debris from damaging the pump.
5. The duty cycle of this pump is 30 minutes under normal usage, The pump has thermal protection and may shut off if the maximum operating temperature of the pump is achieved.

## **OPERATING THE PUMP**

1. Check that the pump has not been damaged during transport and storage.
2. Clean the inlets and outlets of the pump and remove all packaging and dust.
3. Connect all spare parts correctly and ensure outlet connections are in proper placement (Remark: oil-suction pipe, nozzle, delivery hose prepared by the user)
4. Apply power to the motor by plugging the power cord into a power source. Turn on the pump by use of the on/off switch.
5. Open the fueling nozzle to fuel equipment.
6. When fueling is complete, return the nozzle to its storage, then turn off the pump

# TROUBLESHOOTING

## TECHNICAL PARAMETERS

Trouble	Reasons	Treatments
No initial oil output	1.Polarity reversed(+/-)	1.Correctly attach polarity to power source +/-
	2.Leak in suction line	2.Ensure the suction hose is securely fastened and there are no leaks
	3.Pump not primed.	3.Prime the pump by adding oil to near the pump inlet.
Little oil flow	1.Low voltage supply	1.Increase the supply voltage to proper levels
	2.Excessive suction height or head	2.Reduce suction height or head
	3.Obstruction in the filter strainer	3.Clear foreign objects.clean filter strainer
	4.Vanes worn or gear broken	4.Replace the vanes or gear

## TROUBLESHOOTING

Fault Appearance	Main Reason	Fault Resolution
Motor does not turn	(1)The power cable is not plugged in (2)The motor has jammed (3)Capacitor failure	(1)Check the electric cable (2)Replace the motor (3)Replace capacitors
Motor turns but no oil output	(1)Suction side not submerged in oil (2)Vanes worn or gear damaged	(1) Check the oil suction hose/pipe (2) Replace vanes or gear
A bnormal metering or no meter output	Computation swing tray has broken	Replace the copulation swing tray
Little oil-output	Plugged strainer	Clean strainer

# DISCLAIMER

## PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

**Record Product's Serial Number Here:** \_\_\_\_\_

**Note: If product has no serial number, record month and year of purchase instead.**

**Note: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.**



### Questions, problems, missing parts?

Before returning to your retailer, our exceptional customer service is available.

Call us Tel: 909 628 4900

Hour : 9am To 3pm PST (Monday to Friday)

Email : [info@starktoolsusa.com](mailto:info@starktoolsusa.com)

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