

# IMPORTANT WARRANTY INFORMATION FOR NORTHERN LIGHTS GENERATOR SETS

## WARRANTY REGISTRATION CARD

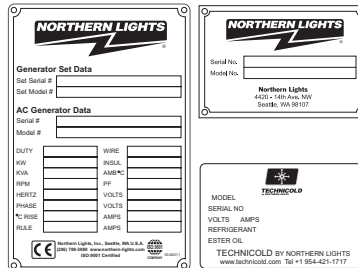
### DEALER/OWNER INSTRUCTIONS

Use this card to register your Northern Lights or Technicold product. U.S. law requires manufacturers to obtain owner information for product recall purposes. After doing the pre-delivery inspection, the dealer/owner must fill out this card and return the postage-prepaid hard (white) copy to NLI within 10 days of delivery. Dealer retains the green copy. Owner retains the original copy.

**NOTE:** Your unit has one of the plates shown at the right.

Use the number on it to fill in:

- 1) Serial Number and
- 2) Model Number



1) Set Serial Number		6) Delivery Date		12) Owner's Name and Phone Number	
2) Set Model Number		7) Boat Manufacturer (marine units)		13) Owner's Address	
3) Engine Block Serial Number		8) Boat Length in Feet	9) USCG Hull No. (marine units)	14) City	
4) Generator Serial Number		10) Type of Use <input type="checkbox"/> Pleasure <input type="checkbox"/> Commercial		15) State	16) Zip Code
5) Generator Model Number		11) Boat Name		17) Owner's Signature	
				18) Dealer's Name	
				19) Dealer's Address	
				20) City	
				21) State	22) Zip Code
				23) Dealer's Signature	

Northern Lights, Lugger and Technicold brands are manufactured by Northern Lights, Inc. (NLI)

**OWNER**

F080-7/17

### WHAT IS THIS CARD FOR?

The Warranty Registration Card registers your generator with Northern Lights' Warranty Department. U.S. law requires manufacturers to obtain owner information for recall purposes.

### WHO FILLS OUT THE CARD?

The installing dealer or owner should fill out the Warranty Registration Card. Northern Lights recommends that installations be performed by an authorized dealer. The cost of such an inspection is small compared to the benefits and peace of mind gained. In this case the inspecting dealer should fill out the card.

### WHO GETS WHICH COPY?

**Owner:** The owner keeps the white copy marked OWNER.

**Dealer:** The dealer (installing, inspecting or selling) keeps the green copy marked DEALER

**Northern Lights:** The hard white copy must be mailed to Northern Lights within ten (10) working days of the delivery to the end user. The card is self-mailing and requires no postage or envelope.

### HOW TO FILL OUT THE CARD

**Box 1 & 2:** List the Serial Number and Model Number shown on the Northern Lights name plate as illustrated in the above Warranty Registration Card example. Generator sets have a Northern Lights plate number located on the generator end.

**Box 3:** The Engine Block Serial Number is stamped:

- a) **673, 753, 773, 843 and 844:** on the block near the injection pump.
- b) **864, 984 and 944:** on the side of the block just below the cylinder head near the oil filter.
- c) **Yanmar-based:** on top of the valve cover.
- d) **John Deere-based:** on service side of the engine.
- e) **MWM-based:** on engine block, below the engine head

**Box 4 & 5:** The serial number and model for the generator end will be located on the manufacturer's plate on the generator end.

**Box 6:** The day, month and year the unit delivered to the end user.

**Box 7:** Marine units: Name of boat manufacturer.

**Box 8:** Marine units: Length of boat in feet.

**Box 9:** Marine units: USCG hull number stamped into the hull by the boat manufacturer. This is different from the USCG Boat Registration applied for by the owner and put on the owner's box.

**Box 10:** Type of Marine use: Check box.

**Box 11:** Name of boat.

**Box 12-17:** Name, address and signature of owner.

**Box 18-23:** Name, address and signature of selling dealer.

Dealer signature is optional.

# RECOMMENDED PRE-DELIVERY INSPECTION CHECKLIST

It is estimated that 30 to 40% of all warranty failures can be prevented by a careful In-Service Delivery Inspection.

This inspection should be carried out by an authorized Northern Lights dealer whenever possible.

- |  |  |
|--|--|
| <input type="checkbox"/> Check numbers and fill out Warranty Registration Form.  | <input type="checkbox"/> Check AC generator leads for tight, well-insulated connections.   |
| <input type="checkbox"/> Check mounting bolt tightness.  | <input type="checkbox"/> Check stop solenoid function.   |
| <input type="checkbox"/> Check exhaust connections.  | <input type="checkbox"/> Check panel function. Instrument needles should lift off pegs.  |
| <input type="checkbox"/> Check for external damage: bent valve covers, broken wires, kinked hoses, dented oil pan, etc.  | <input type="checkbox"/> Make sure the shutdown system is functioning.   |
| <input type="checkbox"/> Check engine oil level.   | <input type="checkbox"/> Start the generator and check for leaks, unusual noises and vibrations.   |
| <input type="checkbox"/> Check coolant level.  | <input type="checkbox"/> Turn on voltage regulator switch and note voltage and frequency.  |
| <input type="checkbox"/> Check antifreeze content of coolant if freezing weather is expected.  | <input type="checkbox"/> Check for proper phase rotation and then load the generator set.  |
| <input type="checkbox"/> Check tightness of V-belts.   | <b>Dealer</b>  |
| <input type="checkbox"/> Inspect fuel system. Are lines properly routed? Are suction and return lines reversed? Do fuel tanks have sump drains? Are tanks properly vented and are the vents clear? Are shut-off and selector valves properly installed? Is primary (bulkhead) fuel filter a water separator type and is it plumbed properly with tight fittings? | <input type="checkbox"/> See that the proper manuals are available and instruct customer in proper maintenance and operation.                                    |
| <input type="checkbox"/> Be sure the positive battery cable is connected to the starter motor.   | <input type="checkbox"/> Check to see that the Warranty Registration Form is properly filled out, with both owner and dealer signatures.                         |
| <input type="checkbox"/> Be sure all battery cable connections are tight.  | <input type="checkbox"/> Please note any installation problems and your recommended corrections in the Comments Section below, and explain them to the Customer. |
| <input type="checkbox"/> Be sure instrument panel plugs are tight, match in color and are not in bilge.  | <b>Dealer or Owner</b>   |
|  | <input type="checkbox"/> Return hard white copy of the Warranty Registration Form to Northern Lights. It is self-mailing and postage-prepaid.                    |

**Inspection Comments:** \_\_\_\_\_

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# NORTHERN LIGHTS LIMITED WARRANTY

This Limited Warranty applies to the following product lines:

**NORTHERN LIGHTS Marine and Industrial Diesel Powered Generator Sets.**

**NORTHERN LIGHTS Diesel Powered Pumps and Power Units.**

Northern Lights, Inc. (herein "NLI") extends to the purchaser and user (herein "Owner") of the product the following limited warranty (herein "Warranty"). Please read it carefully.

## **NORTHERN LIGHTS WARRANTY AND RESPONSIBILITIES**

**Subject to the terms and conditions set out below, NL warrants the product and its factory installed parts to be free from defects in material and workmanship under normal use and service.**

If the product is purchased for and used primarily in a commercial endeavor, the warranty period shall extend from the date of delivery to the original end user for a period of twelve (12) months with no limit on hours of use. If the product is purchased for and used primarily in personal, family or household use, the warranty period shall extend from the date of delivery to the original end user for a period of twelve (12) months with no limit on hours of use.

**The obligation of this Warranty shall be limited to repairing or replacing any part of the product which NLI agrees is defective in materials or workmanship under normal use and service during the warranty period.** If during the warranty period the product or any of its parts are found to be defective because of workmanship or materials, it will be repaired or replaced without charge if the Owner prepays the transportation charges and returns the item to NL's authorized warranty dealer. To find the location of the nearest authorized warranty dealer, see Northern Lights' website [www.northern-lights.com](http://www.northern-lights.com).

Upon request by the Owner and agreement by NLI, repair of product or replacement of parts under this Warranty may be completed at a place other than an NL authorized warranty dealer. See "Owner's Responsibilities" below.

## **OWNER'S RESPONSIBILITIES**

**Within thirty (30) days of purchase, Owner or authorized agent of Owner must complete, sign and deliver to NL the warranty registration card in order to validate this Warranty. Owner must break in unit as described in the "Operating Procedures" section of the Operator's Manual.**

At the time of presentation of product for service under this Warranty, the Owner or authorized agent must present evidence of the date of original purchase of the product.

If pre-approved repair of product or replacement of parts under this Warranty is completed at a place other than an NLI authorized warranty dealer, Owner shall pay NLI's or its authorized dealer's reasonable travel expenses, including travel time.

In the event of any product failure at sea which is covered by this Warranty, Owner is responsible for the cost of towing the vessel to a repair dock and for any associated docking and harbor charges.

Owner shall pay costs of any labor required to remove and reinstall the product and/or parts thereof, any premium for overtime labor requested by the Owner and costs for transporting the product and/or parts thereof to and from the place where warranty work is performed.

In the case of an engine or engine-powered product, before a claim for excessive oil consumption will be considered, Owner must submit adequate documentation to show that consumption exceeds NLI's standards.

In the case of an engine or engine-powered product, Owner is responsible for the costs of lubricating oil, antifreeze, filter elements, hoses, belts and other maintenance items not affected by the failure subject to this Warranty, but replaced during warranty repair.

Owner is responsible for communication, expenses, meals, lodging and any other incidental costs incurred by Owner or Owner's agents as the result of a failure subject to this Warranty.

## **WARRANTY LIMITATIONS**

This Warranty will not apply to equipment put in service more than twenty-four (24) months from date of shipment from factory, and will not apply in any country with which trade is restricted or banned by the US Department of State, at or after the time of sale or claim.

If the product is used primarily in a commercial endeavor, neither NLI nor any company affiliated with NLI will be liable for general damages, including bodily injuries, except as set forth above, or for incidental or consequential damages, including but not limited to: loss of use, loss of profits, loss of production, expense of substitute equipment or other commercial loss or for damage to property in which the equipment is installed. The same limitations shall apply to a product used for personal purposes with respect to all non-personal injuries, general, incidental and consequential damages.

Some countries or states do not fully allow the above exclusions or limitations of general, incidental or consequential damages, so the above exclusions or limitations may not apply to you.

This Warranty extends only to original parts and accessories.

This Warranty is transferable to a new Owner during the warranty period. No transfer forms or fees are required.

This Warranty does not extend to failure resulting from an accident or disaster or from Owner or operator abuse or neglect (such as operation without adequate coolant, fuel or lubrication, over-fueling, over-speeding, lack of maintenance of lubricating, cooling, or air intake systems, improper filtration of fuel and oil, or improper storage, starting, warm-up, run-in or shutdown practices.)

Service parts worn out by usage and not due to defects in workmanship or material are not covered by this Warranty.

NLI is not responsible for failure resulting from improper repair or use of defective parts or parts not approved by NLI.

NLI is not responsible for failure of product or parts resulting from improper installation or unauthorized modifications.

NLI is not responsible for failure caused by negligent handling or abuse in installation or storage in improper environment which results in corrosion or freezing damage to equipment.

NLI is not responsible for failure caused by any third party's transportation damage to NLI's product.

NLI is not responsible for damage if any warning alarm system is ignored.

## **NO REPRESENTATIONS AND LIMITATIONS OF IMPLIED WARRANTY**

This written Warranty is in lieu of all other express warranties, obligations or liabilities. If this equipment is used properly in a commercial endeavor, no implied warranty, including that of merchantability and fitness for a particular purpose is extended. If the product is used primarily in personal, family or household use, any implied warranty, including that of merchantability and fitness for a particular purpose, shall be limited to twelve (12) months.

Some countries and states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

No person is authorized to make any representations or promises on behalf of NLI or to modify the terms or limitations of this Warranty in any way except in writing and signed by an authorized employee of NLI.

This Warranty gives you specific legal rights, and you may have additional statutory rights which vary from one country or state to another.

Owner or Owner's Agent acknowledges that Owner has read and understands the limitations of warranty and remedies information for applicable goods and agrees to be bound by the same. NLI's responsibility is limited to the repair or replacement of any part NLI agrees is defective in materials or workmanship under normal use and service during the warranty period. NLI limits remedies to those provided in this warranty statement and expressly excludes liability for lost profits, incidental and consequential damages. Other than those warranties listed herein, NLI makes no express or implied warranties respecting its products, including but not limited to the warranties of merchantability and fitness.

# U.S. E.P.A. MARINE ENGINE EMISSION WARRANTY FOR CATEGORY I TIER II & TIER III ENGINES

## YOUR WARRANTY RIGHTS AND OBLIGATIONS

Northern Lights warrants to the initial purchaser and each subsequent owner, that this marine engine is designed, built, and equipped to conform at the time of sale to all applicable regulations of the U.S. Environmental Protection Agency (EPA). Also that the engine is free of defects in material and workmanship that would cause this engine fail to conform with the EPA regulations during the emission warranty period.

Your emission control system may include parts such as the fuel injection system and the air induction system. Also included may be hoses, belts, connectors, and other emission-related assemblies.

When a warrantable condition exists, Northern Lights will repair your marine engine at no cost to you, including diagnosis, parts, and labor.

## MANUFACTURER'S WARRANTY COVERAGE

Marine engine emission control system components are warranted for 5000 hours or 5 years.

If any emission-related part on your engine is defective, the part will be repaired or replaced by Northern Lights. The warranty period begins on the date of sale to the ultimate purchaser.

## OWNER'S WARRANTY RESPONSIBILITIES

As the product owner, you are responsible for the performance of the required maintenance listed in your Owner's Manual. Northern Lights recommends that you retain all receipts covering maintenance on your engine, but Northern Lights cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

As the product owner, you should be aware that Northern Lights may deny you warranty coverage if your product or part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for initiating the warranty process. You must present your product to a Northern Lights dealer as soon as the problem exists. If you have any questions regarding your warranty rights and responsibilities, contact Northern Lights by calling 1-800-762-0165.

## EMISSION CONTROL SYSTEM WARRANTY PARTS LIST

- ☐ Fuel Injection Pump
- ☐ Fuel Injection Nozzle
- ☐ Exhaust Manifold
- ☐ Inlet Manifold
- ☐ Oil Filler Cap
- ☐ PCV Hose
- ☐ Intake Air Resonator
- ☐ Intake & Exhaust Gaskets
- ☐ Turbocharger (if equipped)
- ☐ Aftercooler element (if equipped)
- ☐ Crankshaft position sensor (if equipped)
- ☐ Coolant temp sensor for ECU  
(if equipped, electronic engine only)
- ☐ Air Temp sensor for ECU  
(if equipped, electronic engine only)
- ☐ Fuel Pressure sensor for ECU  
(if equipped, electronic engine only)
- ☐ pDPF filter (if equipped)

## LIMITATIONS

This warranty will not cover the following:

- 1) diagnosis or inspection expenses that do not result in eligible expenses,
- 2) consequential damages such as loss of time, inconvenience, or loss of use of the engine or equipment,
- 3) replacement parts used for required maintenance,
- 4) conditions resulting from tampering, misuse, abuse, improper adjustment, engine alteration, use of add-on or modified parts, use of replacement parts that are not the same in performance and durability as the approved parts, accident, failure to use recommended fuel or oil, use of unapproved fuel or oil additives, or not performing required maintenance,
- 5) damages or repair costs caused by the Owner's unreasonable delay in making the engine available for inspection and repair,
- 6) replacement parts used for required or scheduled maintenance.



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