

Labino[®] LabinOil kit

LEAK DETECTION | FAST | EASY

A complete leak detection test kit with
fluorescent dye and UV-torch



LEAK DETECTION | FAST | EASY

LabinOil dye is a florescent dye and should be used with petroleum based lubricants. The fluorescence in the LabinOil is an effect that will be activated by illuminating with UV-light. Labino UVG2 Spotlight Torch is a powerful LED light source used together with LabinOil.

The kit includes 6x25ml bottles of LabinOil dye and 1 UVG2 spotlight LED torch.

You do not need to clean the engine, empty the engine on oil or clean the engine after a leakage test. No special training is necessary when using the LabinOil.

Read the LabinOil safety data sheet, enclosed with the dye before using LabinOil.

TECHNICAL SPECIFICATION

UV Flash Light Specification

UV source: UV A LED

Intensity: >13.000 $\mu\text{w}/\text{cm}^2$ at 38 cm (15 inches)

Wave length: 365 nm

Distribution angle (beam): Spotlight

Running time: approx. 3 hrs

Dyestuff Specification

Main use category: Dyestuff for industrial applications

Chemical characterization: Dyestuff in organic solution

Physical state: Liquid

Color: Dark yellow

Florescent color: Yellow/Green

Oil and petrol soluble / water insoluble

Packing: 25 ml (single dose) or 1 liter bottle

Classification of the substance mixture – Hazards identification

Skin Irrit. 2

Eye Irrit. 2

Aquatic Chronic. 3

Classification according to Directive 67/548/EEC or 1999/45/EC

Xi; R36/38

R52/53

Protection Eyewear

UV blocking eyewear: Blocks 99,9% of all harmful UV radiation

OPERATING INSTRUCTIONS – LABINO® TORCH LIGHT UVG



Labino® Torch Light UVG

The Labino® Torch Light UV offers a light compact, long life, high durability solution to UV inspection techniques.

Before using

Check that the lamp has not been damaged during transport. In the event of external damage to the product, contact the company responsible for transport and your supplier without first testing whether the lamp works.

The flashlight is activated by using the on/off button located at the end of the tail cap. Before use charge the battery for approximately 12 hrs. When placing the battery into the flashlight, unscrew the tail cap and make sure that the +end of the battery is placed down into the flashlight. Do not remove the flashlight head.

Batteries and charger

When charging the battery, make sure you place the batteries into the charger correctly. The charger is clearly marked +/- . Placing them in the wrong way can damage the charger.

The charging unit has a continuous red light which will come on when you place the batteries into the charger. When the batteries are fully charged a continuous green light will come on indicating the batteries are fully charged.



HEALTH & SAFETY GUIDELINES – UV LAMP

Warning! Do not shine directly into the eyes and limit exposure on skin. The exposure limits should be adhered to at all times.

If the Labino® Torch Light UVG is used for long periods and in confined spaces, it is advisable to use UV spectacles, long sleeves and gloves to avoid unnecessary exposure to the user.

General Features Torch Light UVG

2200 mAh	Initial charging time of the battery: 12 hrs
Volts: 3.7	Re-charge time: approx. 8 hrs
Instant power and start up	Operating time approx. 3 hrs
Lens: Crystal	Length: 159 mm (6.3")
Recessed tail cap switching mechanism is designed to prevent unintentional activation of the torch	Weight incl. battery: 211 grams (7.4 oz)
	Constructed – CNC machined aerospace-grade aluminum, hard anodized finish extreme corrosion and wear resistance 0-ring sealed

WARRANTY TORCH LIGHT UVG

Each torch has a 12 month warranty from date of purchase against manufacturer defects. This warranty does not apply to any product or part which (1) is normally consumed in operation or (2) has a normal life inherently shorter than the stated warranty. In no event shall Labino AB be liable for special, indirect, incidental or consequential damages, nor for any damages arising out of delay in shipment or product

Labino AB shall not be held liable for any errors or omissions resulting from the test procedures that were used in validating performance of any Labino AB product nor for unforeseen errors or omissions in digital or printed material.

DISTRIBUTOR:

APPLICATION INSTRUCTIONS – STEP BY STEP

1. Make all parts of the engine visible, remove obstacles for better visible inspection (covers or heat shield plates).
2. Make sure that the engine is free from fluorescent dye by using Labino UVG2. If dye is present, clean test object with suitable solvent.
3. Dye the present engine oil with approx. 0,5% of LabinOil. 25 ml package is suitable for a vehicle with 4-5 liter of engine oil.
4. Run the engine on idle for one minute for dye to mix with engine oil. If the leakage is to severe to run engine, oil will need to be dyed separately before starting the engine.
5. Check that engine oil is dyed correct by pulling engine dipstick and check for yellow fluorescent with your UVG2 torch. Now we are sure that the dye is applied to engine oil and the UVG2 will help you find possible leakage.

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