FLUORESCENT
Leak Detection Products & Specialty Tools

FOR
INDUSTRIAL
SYSTEMS

TRUSTED BY INDUSTRY LEADERS

HYDRAULIC SYSTEMS
PNEUMATIC SYSTEMS
AVIATION SYSTEMS

ISO 9001:2015 CERTIFIED COMPANY

PROUDLY MADE IN THE USA
FLUORESCENT LEAK DETECTION:
Working for you 24/7 – Once IN, always ON.

STEP 1: 
Add dye to the system & let it circulate

STEP 2: 
Scan system with a Spectroline leak detection lamp and see any leaks glow brightly

Have peace of mind you’re using the ultimate leak detection and preventative maintenance solution in the industry!
NEW PRODUCTS INSIDE

COMPLETEl
LEAK DETECTION KITS
Complete, OEM-Grade leak detection kits. Complete kits include everything needed to locate leaks in industrial equipment. Each kit contains a flashlight and fluorescent dye to detect hard-to-find leaks. Perfect for preventative maintenance programs and in-the-field diagnostic repair.

SEE PAGE 06 FOR COMPLETE INFORMATION

NEW! OIL-GLO® COMPLETE FLUORESCENT LEAK DETECTION KIT FOR OIL INDUSTRIAL SYSTEMS

PRECISION ENGINEERED LEAK DETECTION FLASHLIGHTS
Compact and powerful leak detection flashlights that feature a single high-intensity LED. Perfect for fluorescing leaks from a distance. Highly durable and tested to withstand industrial environments.

Manufactured with corrosion-resistant materials. All models provide optimal fluorescent dye response and contrast.

SEE PAGE 08 FOR COMPLETE INFORMATION

NEW! SPI-VL Violet Light LED Leak Detection Flashlight
**Important Note:**
All OIL-GLO® oil-based dyes are manufactured to the highest quality standards, and are filtered down to 2 microns.

**APPLICATION**

- **OIL-GLO® 20**
- **OIL-GLO® 30**
- **OIL-GLO® 33**
- **OIL-GLO® 40**
- **OIL-GLO® 44**
- **OIL-GLO® 45**
- **OIL-GLO® 50**

**Shown Under**

- **365 nm UV LIGHT**
  - Light Hydraulic Fluid
  - Dark Hydraulic Fluid
  - Compressor Oil
  - Engine Oil
  - Gearbox Oil

- **400 nm VIOLET LIGHT**
  - Light Hydraulic Fluid
  - Dark Hydraulic Fluid
  - Compressor Oil
  - Engine Oil
  - Gearbox Oil

**OIL-GLO® SERIES FLUORESCENT DYE COLOR CHART:**

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<tr>
<th>APPLICATION</th>
<th>OIL-GLO® 20</th>
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<th>OIL-GLO® 44</th>
<th>OIL-GLO® 45</th>
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**THE SPECTROLINE® ADVANTAGE**

- **REDUCE COSTS**
  - Reduce operating expenses.
  - Prevent work stoppages.
  - Extend equipment service life.

- **WORKS 24/7**
  - Remains safely within the system.
  - Identify future leaks quickly.

- **COST-EFFECTIVE**
  - Highly concentrated and cost-effective.
  - Use less dye per dose.

- **QUALITY**
  - Fully miscible, non-particulate and filtered down to 2 microns.
  - Won't change the viscosity or lubricity of host fluid.

- **PM PLAN**
  - Perfect for preventative maintenance.
  - Find leaks, prevent breakdowns.

- **NSF CERTIFIED**
  - OIL-GLO® (HTX-2, HX-2) and WATER-GLO® (G7, GX and HTX-2) fluorescent dyes are registered to meet food-grade processing requirements.

- **SPECIAL FORMULATION**
  - Available in several distinct colors.
  - Identify leaks in multiple systems.

- **PREMIUM QUALITY**
  - Engineered to meet manufacturers' specifications.

- **PREMIUM QUALITY DYES FOR CIRCULATING FLUIDS**
  - Ideal for use as part of a diagnostic/preventative maintenance program for industrial systems.

- **REDUCE OPERATING EXPENSES**
  - Prevent work stoppages.
  - Extend equipment service life.

- **PREVENT BREAKDOWNS**
  - Find leaks.
  - Prevent breakdowns.

- **EXTEND EQUIPMENT SERVICE LIFE**
  - Reduce operating expenses.
  - Prevent work stoppages.

- **PREVENT WORK STOPPAGES**
  - Extend equipment service life.

- **PREVENT WORK STOPPAGES**
  - Reduce operating expenses.

- **PERFECT FOR PREVENTATIVE MAINTENANCE**
  - Find leaks.
  - Prevent breakdowns.

- **REDUCE OPERATING EXPENSES**
  - Prevent work stoppages.
  - Extend equipment service life.

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<tr>
<th>PRODUCT NO.</th>
<th>DYE COLOR</th>
<th>APPLICATION</th>
<th>SUGGESTED APPLICATION DILUTION RATIO:</th>
<th>% DYE TO SYSTEM FLUID:</th>
<th>USE WITH</th>
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<td>OIL-GLO® 20/6*</td>
<td></td>
<td>SYNTHETIC- OR PETROLEUM-BASED FLUID SYSTEMS:</td>
<td>Light-colored hydraulic fluid</td>
<td>1 oz (30 ml) per 8 gals (30 L)</td>
<td>0.10%</td>
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<tr>
<td>OIL-GLO® 20-B</td>
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<td>SYNTHETIC- OR PETROLEUM-BASED FLUID SYSTEMS:</td>
<td>Dark/intensely blue hydraulic &amp; lubrication fluids</td>
<td>1 oz (30 ml) per 4 gals (15 L)</td>
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<td>SYNTHETIC- OR PETROLEUM-BASED FLUID SYSTEMS:</td>
<td>Engine oil</td>
<td>1 oz (30 ml) per 4 gals (15 L)</td>
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<td>OIL-GLO® 20-G</td>
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<td>SYNTHETIC- OR PETROLEUM-BASED FLUID SYSTEMS:</td>
<td>Gearbox oil</td>
<td>1 oz (30 ml) per 3 gals (11 L)</td>
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<td>GASOLINE AND DIESEL FUEL SYSTEMS</td>
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<td>1 oz (30 ml) per 10 gals (38 L)</td>
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<td>WATER-GLO® 801-P</td>
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<td>WATER- AND WATER/GLYCOL-BASED FLUID SYSTEMS</td>
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<td>1 pt (473 ml) per 500 gals (1,900 L) water</td>
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<td>WATER-GLO® 802-P</td>
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<td>WATER- AND WATER/GLYCOL-BASED FLUID SYSTEMS</td>
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<td>1 pt (473 ml) per 1,000 gals (3,800 L) water</td>
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Available in different sizes:

- **A**: 1 oz (30 ml)
- **B**: 8 oz (237 ml)
- **C**: 16 oz (473 ml)
- **D**: 1 gal (4 L)
- **E**: 5 gal (19 L)
- **F**: 55 gal (209 L)

**NOTE:** The suffix “*” denotes an 8 oz (237 ml) bottle; suffix “P” denotes a 16 oz (473 ml) bottle; suffix “G” denotes a 1 gal (4 L) pail.

The dilution ratios of Spectroline® fluorescent dyes to the host fluids shown above are only guidelines. These ratios can be increased or decreased depending on the fluorescent response required and the ambient lighting conditions. A simple way to check for proper fluorescence is to remove a small amount of host fluid from the system and add the suggested amount of dye to it. Then shine a Spectroline® leak detection lamp on this sample mixture and check for a bright fluorescent response.

† Appears clear. Will not discolor host fluid.
FOR SYNTHETIC OR PETROLEUM-BASED FLUID SYSTEMS

NEW!

OIL-GLO® COMPLETE
Fluorescent Leak Detection Kit

SPI-VLOG44

- SPI-VL Violet light LED, battery operated leak detection flashlight
- OIL-GLO® 44 Patented 8 oz (237 ml) twin-neck bottle of concentrated oil dye. Treats up to 64 gallons (242 L) of fluid.

LeakTracker™ COMPLETE
Fluorescent Leak Detection Kit

LTK-441

- LT-300 LeakTracker™ high-intensity, battery operated UV LED leak detection flashlight
- OIL-GLO® 44 Patented 8 oz (237 ml) twin-neck bottle of concentrated oil dye. Treats up to 64 gallons (242 L) of fluid.
FOR WATER OR WATER/GLYCOL-BASED FLUID SYSTEMS

COMPLETE LEAK DETECTION KITS

NEW!

WATER-GLO® COMPLETE
Fluorescent Leak Detection Kit

SPI-VLWG802

› SPI-VL Violet light LED, battery operated leak detection flashlight
› WATER-GLO® 802 Patented 16 oz (473 ml) twin-neck bottle of concentrated water dye. Treats up to 1000 gallons (3,800 L) of fluid.
ALL OUR CORDLESS LEAK DETECTION LAMPS FEATURE:

- Compact Design for Getting Into Tight Spaces
- Heavy-Duty, Durable Lamp Body
- Powerful, High-Intensity LEDs

NEW!

VIOLET & UV LED FLASHLIGHTS

**SPECTROLINE®**
Violet Light LED Leak Detection Flashlight

**OPTI-LUX™ 365**
UV LED Leak Detection Flashlight

**LeakTracker™**
UV LED Leak Detection Flashlight

SPECTROLINE®
Violet Light LED Leak Detection Flashlight

**SPI-VL**

- Includes: anti-roll cuff, 3 AAA batteries and fluorescence enhancing glasses

NOTE: For most applications, our violet light lamp does not require fluorescence-enhancing glasses.

**OPTI-LUX™ 365**
UV LED Leak Detection Flashlight

**OLX-365**

- Includes: battery charging cradle with AC and DC cord sets, (1) spare rechargeable lithium-ion battery, UV-absorbing glasses, belt holster, lanyard and small carrying case

**LeakTracker™**
UV LED Leak Detection Flashlight

**LT-300**

- Includes: 3 AAA batteries, UV-absorbing glasses, belt holster, lanyard and small carrying case

LAMP WORKS WITH

- Oil-Glo
- Water-Glo
- Gas-Glo

- Works with all oil- and water-based fluorescent dyes, including difficult-to-fluoresce yellow, white and blue dyes — even in dirty fluids
NEW!

**SPL-UL**
- Economical
- Battery-operated
- Universal UV LED

**OLX-365**
- Premium quality
- Rechargeable
- Universal UV LED

**LT-300**
- Cost effective
- Battery-operated
- Universal UV LED
OUR **HIGH-INTENSITY** INSPECTION LAMP FEATURES:

- Powerful Broad Beam Design for Inspecting Large Areas
- Multiple UV LEDs
- Dustproof and Water Resistant Housing
- Long-Lasting Mobile Battery Pack Model for In-the-field Inspections

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**uVision™ 365**

High-Intensity UV LED Inspection Lamp

**SPI-UV365**

- Features three UV LEDs and one white light LED
- Broad beam design is perfect for inspecting large areas
- High-Intensity output easily fluoresces all leaks
- Inspection range of up to 25 feet (8 m)
- IP65 Rated: dust proof and protected against water
- Pistol grip for comfortable, balanced control
- Includes: UV-absorbing glasses & durable padded case

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**uVision™ 365 MOBILE MODEL**

High-Intensity UV LED Inspection Lamp

**SPI-UV365M**

- Includes: uVision™ 365 lamp with AC power supply, UV-absorbing spectacles, and 12V rechargeable NiMH battery. All contents come in a durable padded case.
HIGH-INTENSITY INSPECTION LAMP

ULTIMATE INSPECTION TOOL
DUSTPROOF AND WATER RESISTANT
SCAN EXTREMELY LARGE AREAS

IP 65 RATED
Dust tight/protected against jets of water so your lamp is protected in harsh environments.

LIGHTWEIGHT & RUGGED
Lightweight enough for using all day, and rugged enough for your work environment.

BROAD BEAM
Detect multiple leak sites at once. Inspect large hydraulic systems with ease.

MULTI-LED
3 powerful, high-intensity LEDs for detecting leak sites. 1 white light LED for general inspection.
SUGGESTED DILUTION RATIOS

<table>
<thead>
<tr>
<th>Host Fluid</th>
<th>Dye Amount</th>
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<tbody>
<tr>
<td>Jet Fuel (static)</td>
<td>2 oz (60 ml) dye per 100 gals (379 L)</td>
</tr>
<tr>
<td>Jet Fuel (in-flight)</td>
<td>1.6 oz (47 ml) dye per 100 gals (379 L)</td>
</tr>
<tr>
<td>Hydraulic Fluid</td>
<td>0.25 oz (7 ml) dye per 4 gals (15 L)</td>
</tr>
<tr>
<td>Engine Oil</td>
<td>0.25 oz (7 ml) dye per 1 gal (4 L)</td>
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</tbody>
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AERO-BRITE™
Universal Fluorescent Leak Detection Dye

AD-8609

Checks an entire system in just minutes. Ideal for use as part of a diagnostic/preventive maintenance program for commercial and military aircraft fuel and fluid systems.

-0008  8 oz (237 ml) twin-neck bottle
-0016  16 oz (473 ml) twin-neck bottle
-0032  32 oz (946 ml) twin-neck bottle
-0100  1 gal (4 L) container

Meets Mil Spec MIL-PRF-81298E, Type III For Aircraft Fuel Systems

Also available:
SP-8609-0100 (NSN: 6820-01-386-8609) Fluorescent Leak Detection Dye for Aircraft Fuel Systems. Can also be used to locate hydraulic and engine oil leaks. Supplied in 1 gallon (4 L) container.
FAST
The quickest way to inspect for leaks in aircraft fuel, lubrication, and hydraulic systems.

COST EFFECTIVE
Super-concentrated. Use less per dose!

SAFE
Specially formulated to accommodate the host fluid. Will not damage the fluid properties or any of the system components.

VERSATILE
Inspect the entire system under virtually all operating conditions. Ideal for both in-flight and static testing.

AERO-BRITE™ COMPLETE
Fluorescent Leak Detection Kit

ALK-365

The most complete kit for finding leaks in aircraft fluid systems. Works with all petroleum- and synthetic-based lubricants and fluids.

› OPX-365 OPTIMAX™ 365 super-high intensity, cordless, rechargeable UV LED leak detection flashlight
› AD-8609-0008 8 oz (237 ml) twin-neck bottle of Aero-Brite™ universal fluorescent dye for aircraft fluid systems
MARKSMAN™ II Ultrasonic Diagnostic Tool

MDE-2000LNC

Features advanced heterodyne circuitry and “Sound Signature Technology” to covert and amplify inaudible ultrasonic sounds into audible “natural” sounds. Provides quick diagnosis of leaks and defects before they become major breakdowns!

- 5-LED signal-intensity indicator and audible alarm easily locate the exact problem source
- Internal Noise Control (INC) ensures tool is unaffected by ambient noise. Ideal for use in extremely noisy environments.
- Self-adjusting Automatic Gain Control (AGC) circuitry enhances sensitivity and simplifies operation
- Laser pointer to help pinpoint the source of pressurized leaks
- Adjustable touch-control sensitivity pad and power switch
- Quickly detects compressed air, natural gas, propane tank, vacuum, steam, refrigerant and other pressurized leaks
- Finds gear and bearing wear in internal components and electric motors
- Precision-engineered air probe helps isolate leak sources in cramped areas
- Comes complete with ultrasonic receiver, ultrasonic emitter, air probe, contact probe, noise-cancelling headphones, (2) D cell batteries and carrying case

APPLICATIONS INCLUDE:

- Aircraft Pneumatic Systems
- Fuel System Pressurization Testing
- Oxygen Line & Valves
- Internal Leaks in Hydraulic Valves & Actuators
- Fuel Cell Testing
- Identifying Cavitation in Hydraulic Pumps
- Arcing in Wave Guides
- Cabin Pressure Testing
- Pilot Static System
- Aircraft Health Checks
- Emergency Evacuation Slides
- Electrical Discharge
- Air Ducts & Air Conditioning Systems
- Tire Pressure Retention
- Cabin & Cockpit Window & Door Seals
OUR SAMPLE TEST KIT HELPS YOU SELECT THE CORRECT LEAK DETECTION DYE AND LAMP TO MEET YOUR SPECIFIC REQUIREMENTS.

Mail-In Kit to Get an Expert Analysis Directly From Spectroline®

Let Spectroline® test your oil sample and provide a report with a dye, dilution ratio and lamp recommendation. Upon receipt, our expert chemists will test your oil sample and provide a report with dye, dilution ratio and leak detection lamp recommendations. Makes sample collection and shipping fast and easy!

**DYE SELECTION/OIL Sample Analysis Kit**

**AK-1000**

Contains everything needed to collect an oil sample and send it to us for a professional analysis. Makes sample collection and shipping fast and easy!

- Oil sample analysis form, 8 oz (237 ml) sample bottle with lid, absorbent cloth, plastic bag with tie, pressure-sensitive tape, box-sealing tape, shipping label, packaging instructions and cardboard shipping box.

**NEW & IMPROVED!**

**GLO-AWAY® PLUS**

Fluorescent Dye Cleaner

**128484**

- 2 oz (60 ml) spray bottle
- New formulation that works to dissolve fluorescent dye from the leak site.
- Requires less application & less time removing left over dye.

**CONCENTRATED FORMULA**

Stronger formula makes it easier to remove the toughest dye stains.
INVENTORS & PIONEERS
Since 1955

For more than 60 years, Spectronics Corporation has engineered the highest-quality, premium performance leak detection dyes and products.

As the inventors of ultraviolet fluorescent leak detection, we take pride in crafting the most superior leak detection dyes in the industry.

Spectronics Corporation is a family owned company with three generations of experience in delivering award-winning professional service and the industry's most powerful leak detection dyes and lamps.