



Penetrant Professor Approved

Product Data Sheet

GLF-320

Fluorescent Oil Leak Finder

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Met-L-Chek Company manufactures a complete line of Nondestructive Testing Materials. Met-L-Chek Company supplies fluorescent and visible dye penetrants, wet and dry magnetic particles and a variety of specialty testing materials. All Met-L-Chek Company products are designed to yield maximum value through quality, cost, and usability. Met-L-Chek Company products are sold under the **Met-L-Chek®** and **Pen-Chek®** trademarks. Met-L-Chek Company products are manufactured under license in The Netherlands by NDT Europa.

**GLF-320** is a liquid dye additive which dissolves in gasoline, diesel fuel, and most oils making them fluoresce a bright yellow-orange under UV-A (ultra violet) light. It is generally used by mixing with the test liquid. In the case of an internal combustion engine, the engine is run and then inspected with the UV-A lamp for fluorescent trails from gaskets, joints and fittings which indicates a leak.

**GLF-320** is added to the test fluid at the rate of:

- 1 oz. (30cc) per 10-12 gal. (37-45 L) of gasoline.
- 1 oz. (30cc) per 6-10 gal. (22-37 L) of light colored hydraulic fluid.
- 1 oz. (30cc) per 4-6 gal. (15-22 L) of dark colored blue hydraulic fluid.
- 1 oz. (30cc) per 2-4 gal. (7-15 L) of compressor oil.
- 1 oz. (30cc) per 1 gal. (3 L) of gear box oil.

The **GLF-320** should be allowed to mix thoroughly with the fluid before running the inspection test.

In the case of a gasoline system inspection, the **GLF-320** is added to the tank and the vehicle driven a bit, or at least is allowed to sit overnight to mix the additive throughout the fuel. In any event, the engine should be run for 15 minutes or more to allow the fluorescent fuel to run from the tank through the fuel lines, fuel pump, and into the carburetor or fuel injection system. Following this, the fuel system should be carefully examined with a 100 watt UV-A light. Start at the fuel tank and trace the fuel line for its entire length. Pay particular attention to fittings, connections, the fuel pump, and any other device that may be part of the fuel system. It is better if the examination takes place in subdued light, so that the indications will stand out more clearly.

**Product Availability:** 1 pint (0.4L); 1 gallon (3.7L)

**Typical Physical Properties**

Form: orangish liquid	Fluorescence: yellow orange
Flash Point: > 62.2°C (>144°F)	Mercury: none

GHS Information



**Danger**

**GHS Hazard Statements:**

- H227:** Combustible liquid.
- H304:** May be fatal if swallowed and enters airways.
- H315:** Causes skin irritation.
- H336:** May cause drowsiness or dizziness.
- H412:** Harmful to aquatic life with long lasting effects.

**GHS Precautionary statements:**

- P102:** Keep out of reach of children.
- P210:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261:** Avoid breathing dust/fumes/gas/mist/vapors/spray.
- P273:** Avoid release to the environment.
- P280:** Wear protective glove/clothing/eye protection/face protection.
- P284:** In case of inadequate ventilation wear respiratory protection.



**GHS response statements:**

- IF INHALED:** Remove person to fresh air and keep comfortable for breathing, get medical advice/attention if you feel unwell.
- IF ON SKIN:** Wash with plenty of water. If skin irritation occurs, get medical advice/attention.
- IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easily to do. Continue rinsing, get medical attention.
- IF SWALLOWED:** Immediately call a poison center/doctor/physician. Do NOT induce vomiting.
- IF ON CLOTHING:** Take off contaminated clothing and wash it before reuse.

Transport:

- DOT- not regulated < 450 L or 119 Gal containers
- IATA- not regulated
- IMDG- not regulated

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