



PENETRANT PROFESSOR APPROVED

PRODUCT DATA SHEET
GLF-320
Oil & Gas Leak Finder



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.

Transport: DOT: Bulk - Stain, not regulated in containers less than 119 gallons (450L)

Hazards Eye Irritant

Classification: **NFPA Health-1, Flammability-2, Reactivity-0.**

EU- unknown

WHMIS(Canada) B3,D2B (bulk)

Human health hazards: Eye irritant.

First aid measures

Eyes: Check for contact lenses and remove. Flush eyes with clean water holding eyelids open. Seek medical attention.

Skin: Remove contaminated clothing. Wash exposed area with soap and water. Apply moisturizing lotion. Launder clothing and clean shoes.

Swallowing: Do not induce vomiting. Small amounts are not expected to cause significant harm, call a physician.

Inhalation: Remove to fresh air.

See MSDS for detailed health, safety, and disposal information.