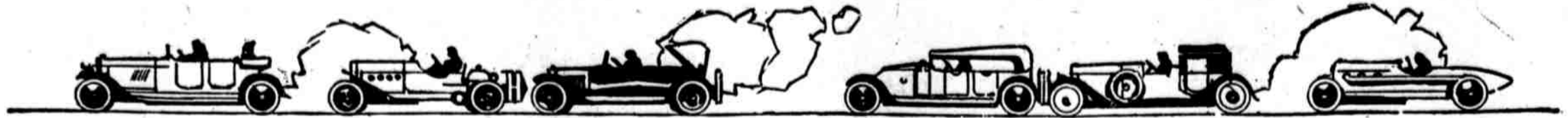


The real danger of sluggish gasoline

What more and more motorists are discovering about the fuel they feed their cars



The chief cause of engine trouble on the road

STALLED on the road—miles from home—engine overheated—perhaps a burned-out bearing. Almost every motorist has had such an experience as this.

Yet many motorists drive for thousands of miles without putting a wrench or a screwdriver to the engine. These are the men who know the dangers of sluggish gasoline.

Sluggish gasoline, say the experts, is one of the most important causes of en-

gine trouble in the modern, perfected automobile. Ordinary low-grade gasoline vaporizes slowly. It requires a rich, wasteful mixture—only 8 parts of air to 1 part of gasoline.

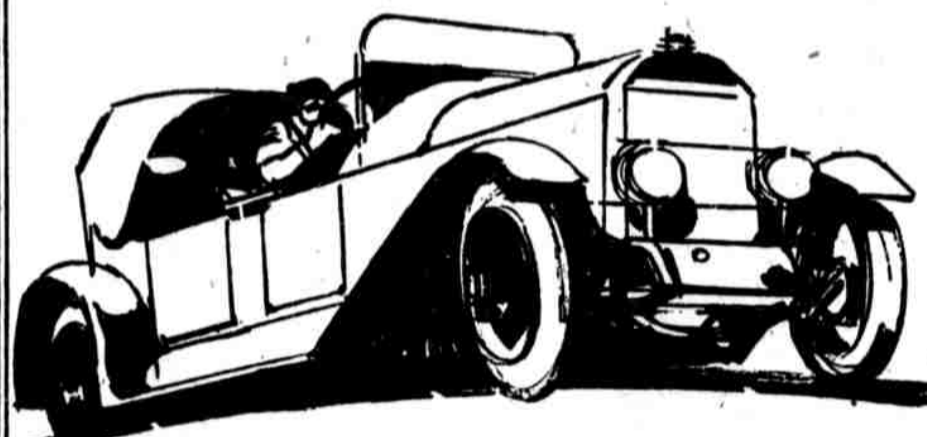
Such fuel in your tank contaminates the lubricating oil. Thinned down oil enters the explosive chambers—carbon forms rapidly, bearings wear out. That's when you are liable to trouble on the roadside and to expensive engine repairs.



The car that won't take the hills on high

WITH the rich 8 to 1 mixture, which ordinary low-grade gasoline requires, your car soon begins to knock and slow down on the hills. Soon it is slow to start in traffic. You are left behind in the traffic jams.

A large part of such gasoline fails to vaporize at all. You can't get pulling power out of it. It burns slowly, forming great plates of carbon. It pits the valves. Pitted valves fail to close properly. The power rushes past them like smoke out of a chimney. On almost every hill you take a running start and often have to shift into second before you reach the top.



VEEDOL, the lubricant that resists heat, prevents the rapid formation of sediment in your oil and minimizes friction and wear. 90% of engine troubles are due to inferior oils. Veedol prevents these troubles. Have the old oil cleaned out of your crankcase and fill it with Veedol. Sold by reliable dealers everywhere.

Slow to start— a danger signal

YOU grind and grind and grind with the self-starter—or crank and crank—when you start on sluggish gasoline.

You hold the choker out—the engine starts, sputters, dies. Such gasoline vaporizes slowly. The rich 8 to 1 mixture floods the crankcase with unburned fuel.

The lubricating oil is thinned down. Carbon forms rapidly. Bearings are soon worn and burned out. Because sluggish gasoline is hard to start it warns of trouble to come.

These are the dangers of ordinary sluggish gasoline. More and more motorists are learning to avoid them.

Why Tydol, Economy Gasoline, solves your motor problems

Made to run on the famous lean 15 to 1 mixture, Tydol keeps you out of such troubles. Tydol, the Economy Gasoline, vaporizes fast. It will operate on the rich

mixture required by ordinary gasoline, but when you want power and economy use the 15 to 1 mixture with Tydol.

Every drop of Tydol is turned into punch at the piston heads. That's why you get strong pulling power on the long grade and high mileage per gallon. Tydol burns up clean with a minimum of carbon. Even in cold weather it starts with ease. Even where Tydol costs slightly more than ordinary gasoline it is always an economy.

Have your carburetor set at 15 to 1. The chart at the left gives directions. Look for the orange and black sign. Fill up with Tydol today.

TIDE WATER OIL Sales Corporation
11 Broadway New York
Telephone: Bowling Green 8000

What really explodes in your engine

8 to 1
With Sluggish Gas
8 parts of air to 1 part of gasoline

15 to 1
With TYDOL Gas
15 parts of air to 1 part of gasoline

How to make 15 to 1 adjustment
After filling the gasoline tank with Tydol, run the engine until warm. Then lift the hood. Turn the gas adjustment on the carburetor, decreasing gradually the flow of gasoline. When the engine begins to slow down, turn the gas adjustment back, increasing the flow slightly until you get a maximum engine speed. This will give you the 15 to 1 adjustment. If you have a "rich" and "lean" adjustment on the dashboard you can use an even leaner adjustment than the above. On hills and in traffic use the rich dash adjustment; on the level or in the country use the lean. This assures maximum mileage and minimum carbon with Tydol. Tydol will operate on the rich mixture needed by inferior gasoline. But Tydol is made so you can use the 15 to 1 mixture—less fuel and more air.

DEALERS

East of Broad Street—North of Market

- Erie Garage, 521 W. Erie Avenue
- Wyoming Garage, 4747 N. Broad Street
- Ebert's Garage, 2425 N. Broad Street
- Foehle's Garage, 2233 N. 10th Street
- F. G. Simmons, 2946 N. 8th Street
- Phila. Elec. & Mech., 614 Brown Street
- Blocksom Motor Co., 1362 Ridge Avenue
- H. Crozier, 5535 N. 5th Street
- Davies Repair Shop, 10th & Tioga Streets
- J. Heinel & Sons, 4340 N. 7th Street
- Fischer & Company, 1641 N. 12th Street
- Guthrie Brothers, Howard & Thompson Sts.
- Keiffer Brothers, 1912 N. 5th Street
- Park Ave. Auto Station, 2214 N. Park Ave.
- Somerville Garage, 5th & Somerville Ave.
- Speedwell Motor, 1335 Frankford Avenue
- D. Stahl's Son, 4839 Rising Sun Ave.
- Venango Garage, 3522 N. Camac Street
- Tioga Garage, 3431 N. Broad Street
- Tioga Automobile Co., Broad & Tioga Sts.
- Palmer Square Garage, 1712 Frankford Ave.
- Sees & Faber Co., 2008 N. Front Street

West of Broad Street—North of Market

- Billy the Speedometer Man, 510 N. Broad
- Krause Brothers, 2032 N. 16th Street
- Kronmiller's Garage, 2308 N. 29th Street
- Colonial Garage, 1647-49 Hunting Park Ave.
- Pollock's Garage, 1412 Fairmount Ave.
- Boulevard Garage, Broad & N. E. Boulevard
- Kreb's Garage, 3952 N. Broad Street
- Arnold Garage, 3727 Pulaaski Avenue
- Robert Beatty, York Road & Ontario Street
- Bellevue Garage, 2007 West Bellevue
- Bigelow Willey Garage, 304 N. Broad Street
- Bridge Garage, 3960 N. Broad Street
- Hendricks Hdw. Co., 17th & Venango Sts.
- A. Herman's Garage, 28th & Cabot Streets
- New Era Garage, 3332 N. Broad Street
- Raynes Garage, 2431 W. Gordon Street
- Reo Repair Company, 2241 N. 27th Street
- J. C. Snyder & Son, 2304 N. 28th Street
- Uncle Sam Motor Company, 2520 N. Broad
- O. F. Zurn Company, 2736 N. Broad Street
- Gibbs Garage, 4810 N. Broad Street
- Wolf Garage, 1836 N. Gratz Street
- Unique Garage, 704 N. 18th Street
- Hummel Co., 909 N. 26th Street

South of Market Street

- Broadway Garage, McKean & Juniper Sts.
- New Continental, 425 Carpenter Street
- Moyamensing Garage, 310 Reed Street
- Eglin's Garage, 627 Reed Street
- Ellsworth Garage, 1141 S. Broad Street
- Grand Garage, 2115 S. 8th Street
- U. S. M. Garage, 1407 Locust St.
- Automotive Supply Co., 1932 De Lancy St.

West Philadelphia

- South 49th St. Garage, 49th & Woodland
- Baring Garage, 40th & Baring Streets
- Bartram Garage, 1519 S. 55th Street
- Mt. Moriah Garage, 6328 Paschall Avenue
- Warrington Garage, 5015 Warrington Ave.
- Fischer Auto Repair, 53rd & Whitby Avenue
- Hallock Garage, 3722 Irving Street
- West Philadelphia Garage, 5123 Sansom St.
- Wilson's Garage, 56th & Greenway Avenue
- Highway Repair Co., 120 N. 63d Street
- Darby Garage, Chester Pike & Quarry St.
- Darby Vulcanizing Co., 9 Main Street

Frankford

- France Brothers, 4744 Frankford Avenue
- J. H. Bradley Co., 4805 Frankford Ave.
- North East Garage, Waking & Mulberry
- Avenue Garage, 3612 Frankford Avenue
- S. & S. Motor Service, 4458 Griscom Street

Manayunk

- Fleming Brothers, 5134 Ridge Avenue
- Banham Garage, 4430 Main Avenue
- Cooper & Levering, 6178 Ridge Avenue
- Roxborough Garage, 4417 Mitchell Street

Germantown

- Allen Lane Garage, 20 West Allen Lane
- Colonial Garage, 24-26 E. Mt. Airy Avenue
- Jacobs Brothers, 5400 Morris Street
- Monument Garage, 24 E. Church Lane
- Charles P. Gable, 6839 Germantown Avenue

LOOK FOR THIS SIGN

