

A Standard Test for Gasoline

The third of a series of three statements

War needs made prominent the question of a standard test for gasoline. On July 31st, 1918, President Wilson ordered a committee appointed under the United States Fuel Administration to establish specifications and standards of test for gasoline supplied to the Government. This committee consisted of the United States Fuel Administration and representatives of the War and Navy Departments, the United States Shipping Board, the Director General of Railroads, the Bureau of Mines, and the Bureau of Standards. Standards were adopted for aviation gasoline (export, fighting and domestic) and for general motor use on land and sea.

The Gravity Test Discarded

The Government's Committee on Standardization of Petroleum Specifications stated in its report: "It will be noted that there are no gravity limitations in the specifications for aviation gasoline, nor in the specifications for motor gasoline which are given later, for it has been found that gravity is of little or no value in determining the quality of gasoline." The standards adopted by the United States Government are based on boiling points.

Boiling Points the Real Test

Gasoline is known to the refiner as one member of the petroleum family. He distinguishes each member of the family, not by gravity, but by boiling points. Gravity is a fleeting standard of test, but boiling points are unchanging in their value and always determine the quality of the product. Knowing them the refiner can keep his product uniform and reliable.

What Is a Boiling Point?

A boiling point is the temperature at which a liquid will begin to boil or vaporize.

In distilling a given quantity of gasoline the refiner ascertains at what point each 10 per cent will boil, until the entire quantity is evaporated or distilled. In this way he determines what is known as the initial boiling point, as well as all intervening boiling points in the chain, up to the maximum, high boiling point.

Boiling Points Tell the Story

Boiling points determine the vaporizing and combustive qualities of gasoline. They decide the action of the gas developed from gasoline. They are the only true measure of gasoline value.

An ideal gasoline has boiling points in a continuous, uniform chain. There must not be too many low boiling points, otherwise the loss in

storage by evaporation would be great. There must be just enough low boiling points to vaporize freely and give easy starting. The higher boiling points are necessary for quick acceleration, high power and long mileage.

As combustion starts with the lowest boiling points and flashes on through the gas, the continuous chain of boiling points—from the low to the high—is necessary for instantaneous, full-powered combustion. Only a straight-distilled, all-refinery gasoline can have the continuous, uniform chain of boiling points.

The United States Government Standard Specifications for Gasoline

The United States Government standard specifications for gasoline are based on boiling points—not gravity. Drafted as they were by impartial Government experts, they are generally considered, in the light of conditions today, as the most practical standard for gasoline. They insure an efficient and satisfactory gasoline and at the same time have due regard for the best utilization of our petroleum resources, and the maintenance of reasonable prices to the consumer.

Red Crown Gasoline Conforms to United States Government Standard

All Red Crown gasoline now being supplied in the Pacific Coast States is refined to conform to the United States Government Standard specifications. It is straight-distilled, all-refinery gasoline having the full, uniform chain of boiling points necessary for full-powered, dependable gasoline: Low boiling points for easy starting, medium boiling points for quick, smooth acceleration, and high boiling points for power and mileage.

STANDARD OIL COMPANY

(California)



TROUTDALE

Those who did not attend Sunday school Sunday missed a treat for the talk by Miss Nellie Curtis of the Deaconess home in Portland was certainly very good. Miss Curtis is a woman of charming personality, and her hearers could not help being convinced of her devotion and consecration to her work, as she told of the good being done by the organization of deaconesses. Her talk left her hearers very thoughtful of their duties toward their neighbors.

There is to be a patriotic meeting next Tuesday evening, April 15, at 8 o'clock, under the auspices of the Troutdale school being one of many such meetings being held all over the county. It is held in the interests of the Thrift stamp drive and the industrial clubs. Speakers for both subjects having the important part of the program. The industrial club work will be illustrated by stereopticon slides. The school is preparing some interesting numbers for the program. The residents of the surrounding districts are cordially invited to be present.

Ralph Thomas visited last week with his brother, Chas. I. Thomas, of Troutdale. He has recently returned from service overseas with the 91st Division. He was wounded in the battle of the Argonne woods, and was returned home in a casual company. He was given a ten per cent disability, which entitles him to a college education in any higher school in the country at Uncle Sam's expense. He is a graduate of O. A. C. and has chosen to continue his engineering course at the Boston School of Technology.

Visitors at the John Coons home Sunday were Mr. and Mrs. Fred Pelton, Mr. and Mrs. Norton and Miss Mildred Shields. Wednesday evening Mr. and Mrs. Coons entertained a gathering of neighbors including Mr. and Mrs. R. S. Clarke, Mr. and Mrs. Ed. Shrop and Richard, and Mr. Harris.

The Parent-Teacher circle of Troutdale will hold their regular monthly meeting next Friday, April 11, in the afternoon at the schoolhouse.

The Red Cross work meeting will be held Thursday afternoon. The drive for used garments is still on, and contributions will be received Thursday at the work meeting.

Geo. Lumsden left Friday night for Los Gatos, California, in response to a message that Mrs. Lumsden was seriously ill.

Mr. and Mrs. John Larsson have returned to Troutdale to live. Mr. Larsson expects to open a garage in his building recently occupied by Mickle & Pleasant.

Mrs. Herbert Bradley returned from the hospital with her little daughter.

A Japanese named Shogi, living near here, collided Friday night with an interurban car at Arata station. He was driving a truck, with his two little children on the seat with him. The truck must have scraped the whole length of the car as the front and rear steps were both demolished, and the whole front of his truck was smashed into junk. Mr. Shogi and the children were injured considerably and were taken on the car to Multnomah Farm for medical care, afterward being removed to Good Samaritan hospital.

Join the co-operative berry growers and boost the berry business.

The co-operative berry growers are in the market for all staple fruits.

PLEASANT HOME

Mr. and Mrs. D. M. McLaughlin have moved out from Portland to their farm here.

Mrs. Hutchinson is at a Portland hospital after undergoing an operation.

Mr. and Mrs. John Iekler visited Mr. and Mrs. G. Hale Sunday.

Harold McCreary is at home after working in Portland through the winter. His brother Charles has gone to work in eastern Oregon.

BORING

A farewell party was given Thursday evening at Hazeldell Farm, home of Mr. and Mrs. J. E. Siefer, in honor of their son, Edwin Siefer, and Royce Child, son of Mr. and Mrs. W. E. Child, of Boring. The boys have enlisted in the U. S. Navy and expect to leave in a few days for a southern naval training camp. There were about thirty guests present, among them Mrs. E. G. Rich and Mrs. P. C. Larsen of Portland, sisters of Edwin. Delicious refreshments were served and a good time was had by all.

Walt Anderson, Sr., of Garfield has been spending a week with his daughter, Mrs. H. M. Johnson.

Walter Welch is in the hospital again, but we are glad to hear that he is improving and will soon be permanently well.

Tom Lovelace is home, feeling fine once more. We shall be glad to see him look the husky he was before his operation.

POWELL VALLEY

An entertainment and ice cream social will be given at the Pleasant Valley grange hall on Saturday evening, April 12. The proceeds will be used as a nucleus for a fund with which to purchase a musical instrument for the school. Everybody invited.

Mr. and Mrs. W. U. Moore and son, Clyde, were guests at the home of Mr. and Mrs. Hugh Baker of Oswego on Sunday.

Mrs. George Robertson, of Portland, was a valley visitor on business matters last Saturday.

A number of our people attended the good roads booster meeting held at Damascus on Saturday evening. Much enthusiasm is manifested as a result of the meeting. Other meetings will follow in the near future.

For Bilious Troubles.

To promote a healthy action of the liver and correct the disorders caused by biliousness, Chamberlain's Tablets are excellent. Try them and see how quickly they give you a relish for your food and banish that dull and stupid feeling.—Adv.

Do You Sleep Well?

To be at his best a man must have sound, refreshing sleep. When wakeful and restless at night he is in no condition for work or business during the day. Wakefulness is often caused by indigestion and constipation, and is quickly relieved by Chamberlain's Tablets. Try a dose of these tablets and see how much better you feel with a clear head and good digestion.—Adv.

Beautiful Easter Hats



STYLES TO PLEASE EVERY FANCY

Small turbans, trimmed with flowers, ornaments, malines.
Medium and large dressy hats in the latest braids, Georgettes, flowers.
Special This Week
Trimmed Hats \$5. and \$6.

Miss Millinery

EKSTROM TRUCK SERVICE

Office with Commercial Transfer Co., 225 Ash St., bet. First and Second Gresham Office, Garage near Lumber Yard, Residence same.

Regular Trips Between GRESHAM and PORTLAND and Outside Hauling.

GRESHAM Phone 851 ALBERT EKSTROM Bdw 2082, A-2078 PORTLAND



We Have Heard a Lot

about the compliments that our patrons are paying us, and we want to say right here and now, "Mr. and Mrs. Customer, we thank you. Your kind words are sending your friends to this shop, and we are going to treat them right. Again, we thank you."

GRESHAM MARKET

A. J. W. BROWN, Prop. Gresham, Ore.

LAKE'S TRUCK SERVICE

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Express and general Hauling between Pleasant Home and Portland

SANITARY MARKET

Geo. Dietl, Prop. Main Street Gresham, Ore.

Home-made Sausage and Lard, Sweet-Cured Ham and Bacon.

We buy Beef Cattle, Calves, Hogs, Hides, Etc. FARMERS, ATTENTION! We Smoke Your Meat Phone 861

Fairview Berry Growers!

Under the auspices of the Sundial ranch people of Fairview and C. M. LaFollette and S. A. Douglas of Salem, recent purchasers of one hundred and sixteen acres of the Sundial holdings, a meeting has been called for Saturday evening in the Fairview town hall, by E. G. McGaw, manager of the Sundial ranch.

The stated purpose of the meeting is to confer with the farmers and all other interested persons of the locality regarding the feasibility of increasing the berry acreage of the district—more especially the loganberry. The name LaFollette naturally suggests loganberry juice does it not? The two LaFollettes, father and son, were the originators of the loganberry juice industry for which the entire Willamette Valley is now renowned abroad and at home. These LaFollettes are not flowery promoters, they are practical growers. Furthermore Senator LaFollette is the famous peach king of Marion county, and he proposes to grow tons of peaches on the Sundial acres. While the trees are making their growth, he will content himself with nursing along the loganberry. That should be an easy task, as berries almost

raise themselves here.

All growers and others who think that prospects are bright enough to warrant a greatly increased berry acreage are urged to attend the meeting Saturday evening. D. E. Towie, a local grower, and H. C. Campbell of Portland, president of the Sundial ranch will also be present.

Whooping Cough.

Give Chamberlain's Cough Remedy to keep the cough loose and expectation easy. It is excellent.—Adv.

If I Were a Farmer.

If I were a farmer I would keep at hand a few reliable medicines for minor ailments that are not so serious as to require the attention of a physician, such as Chamberlain's Colic and Diarrhoea Remedy for bowel complaints.

Chamberlain's Cough Remedy for coughs, colds and croup. Chamberlain's Liniment for sprains, bruises and rheumatic pains.

Chamberlain's Tablets for stomach troubles, biliousness and constipation.

By having these articles at hand it would often save the trouble of a trip to town in the busiest season or in the night, and would enable me to treat slight ailments as soon as they appear, and thereby avoid the more serious diseases that so often follow.—Adv.



BAKING EXCELLENCE

Allows us to compete with all rivals. The ingredients of our bread and pastries are in strict conformity with the war regulations and the neatness of our bakery has given us the highest sanitary rating. Patronize a home industry.

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