S ANNOUNCED BY MOBILGAS DEALERS

High Temperature of Motor Demonstrated at Summerizing Conference.

W. F. Carper (center) manager of the lubricants department of General Petroleum's Oregon division, plays blow torch flame on piston head to demonstrate before Summerizing plan committee that the automobile creates heat greater than that of a steel blast furnace, heat that would melt the metal were it not for the cooling and lubrication system. From left to right, the committee comprises: C. F. Orgill, district manager, tires sales, U. S. Tire Dealers Mutual Corporation; Mr. Carper; Albert E. Horn, Jr., Oregon general manager for General Petroleum; Frank C. Meunier, Oregon division sales manager for this Mobilgas and Mobiloil marketing company.

Heat Terrific Enough to Melt Steel Created When You "Step on the Gas"

MIRACLE OF LUBRICATION AT HIGH TEMPERATURE IS EXPLAINED

You are sitting within a few inches of enough heat to melt steel, while driving a car. You may be cool as a cucumber, but you are conveyed through space by a veritable blast furnace. This is the strange fact cited by H. W. Taylor, lubrication department manager for the western marketers of Mobiloil and Mobilgrease.

"Steel melts at 3,000 degrees," says Taylor, "but the combined temperatures created by an automobile are 1,300 to 1,600 degrees higher than this.

"You can't get near a steel blast furnace, nor can you look into it without colored glasses. But, so help me, it's true, you can drive a car and keep cool while it is creating the following temperatures: Combustion chambers, 3,500 to 3,800 degrees; crankcase, 200; main and connecting rod bearings, 250 to 300; rear gear housing, 300; transmission, 150.

"The logical question," continued the Mobiloil executive, "is: 'Why doesn't the car melt?' The answer is: The modern miracle of lubrication, plus air and water cooling, plus the fact that the combustion temperatures are only instantaneous, protects all the vital parts and enables you to drive this veritable furnace in both comfort and safety.

"The wonder is that oil and grease can be produced specifically for each part that will continue to lubricate and protect the metal efficiently without breaking down. Such is the achievement of the petroleum industry, working hand in hand with automobile designers to constantly give the public better performing cars.

"However, it's too much to expect that these lubricants will continue their protective factors indefinitely, while constantly subjected to terrific heat and contamination.

"That's why the wise, economical motorist has the crankcase drained and refilled every 1,000 miles, and all other vital places lubricated and inspected. It is such inspection service that is featured, free, by Mobiloil dealers, during the Summerizing period. To use such a service is true wisdom."

Tent caterpillars build large web-like nests in trees and shrubbery and eventually work havoc with the foliage. They can be destroyed by spraying used crankcase oil on the nests.

Millions of Tire Turnings Prove Amazing to Actress

Center of interesting group at the right is Virginia Dale, feature player of the Columbia picture, "Start Cheering," who is amazed to learn from E. J. Bassine (left) of U. S. Tire Dealers Mutual Corporation, that the Royal Master tire she holds revolves three million, seven hundred fifty thousand times in 5,000 miles of travel. The solid tire on the old automobile revolves only one-fourth as many times in the same distance.

Driver of the car of ancient vintage (man with cap and duster) is J. H. Ozmun, a U. S. veteran, whose machine is the Holsman, built in 1900. It still runs. Its two opposing cylinders, located under the seat, still render perfect performance with Mobilgas and Mobiloil, says Ozmun.

Other interested spectators in the picture, who had gathered for a conference on Summerizing plans, are: J. A. McClure and Lloyd Bayly, of the sales department of General Petroleum Corporation.

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PORTLAND, April 12.—(AP)—A law passed in 1864 but never before invoked was used yesterday by District Judge Mears to sentence W. H. Morrison to 30 days in jail.

Morrison pleaded guilty to a charge of opening and reading a sealed letter without permission of the writer or the addressee. Complainant was Morrison's brother-in-law, Ralph Stose, who said the letter was from his "girl friend."

Virginia Dale of Columbia Pictures Compares Tires.

8,000 Gallons of Air to 1 of Gas

It takes 8,000 gallons of air to burn one gallon of Mobilgas in the modern car, according to A. H. De Friest, vice-president and director of sales of General Petroleum, who says that in 200 or 300 miles your motor has consumed enough air to fill a large business block. Engineers say that every cubic mile of this air contains one ton (2,000 pounds) of dust and grit.

"In going 1,000 miles," says De Friest, "12,000 cubic feet of grit laden air is drawn through the motor oil. That's why crankcases should be drained each thousand miles."

Let Us

Get Your Car Ready

FOR

SUMMER DRIVING

ALBA SPAUGH'S GARAGE

234 W. Oak St. Phone 303

In the next 5,000 miles you drive

—your crankshaft will turn on it's bearings 15,000,000 times. Lubricants will be subject to as high as 3,300 degrees of heat. The rear tires and axle will revolve 3,750,000 times. Each piston will travel over 116,000,000 feet. 60,000 cubic feet of dust and abrasive laden air will be drawn into the crankcase. Your fan belt will revolve 22,750,000 times—your spark plugs will fire 7,500,000 times. The speedometer cable will revolve 5,000,000 times.

This is only a small part of the punishment your car must take in 5,000 miles of hard summer driving ahead. It is only a small part of the punishment your car has taken in 5,000 miles of winter driving.

It is only good judgment to provide the very best protection against the gruelling punishment of hard summer driving.

This protection is the complete Summer-izing service featured by General Petroleum dealers...

Take your car today to your nearby General dealer and have it checked free from stem to stern. Take advantage of this essential, grief-saving Summer-izing service. Now—today is the time to do it.

GENERAL PETROLEUM CORPORATION

FREE
Summer-izing Services
Given by
General Petroleum Dealers:
(except for needed materials you order)

1. Cooling system checked for scale and leaks. Hose and clamps inspected.
2. Radiator drained and flushed.
3. Fan belt checked and replaced if necessary.
4. Thin winter lubricant removed from transmission and differential, cases flushed, universals checked and the correct summer grade of Mobil Lubricant supplied.
5. Oil filter inspected and new cartridge installed if needed.
6. Crankcase drained, flushed and filled with the correct summer grade of Mobiloil.
7. Clean and service battery. Check cables and renew if necessary.
8. Spark plugs inspected, cleaned and replaced if necessary.
9. Lights inspected; lenses cleaned.
10. Interior vacuum cleaned.
11. Clean and polish all glass.
12. Complete check of tires.

Old or new, your car always will perform better with
MOBILGAS LARGEST SELLING GASOLINE IN AMERICA
MOBILOIL WORLD'S LARGEST SELLING MOTOR OIL

Summer-ize Now!

Come in! Make this sensational one-minute test today. Discover new safety from skids... learn how to make safer, quicker stops. No obligation.

The New U.S. ROYAL MASTER

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