

Oil Filter Is Protection To Dodge Bros. Car

How the oil filter works and whether it is working properly is of interest to every motorist who wants to secure over many thousands of miles of service, freedom from engine wear and from need of adjustments or replacements according to L. C. Smith, local Dodge Brothers dealer.

"Too many owners," says Mr. Smith "are briefly informed at the time of purchase that an oil filter is part of the standard equipment of the new car but are not told how important the filter is in prolonging engine life. Sometimes the salesman tells the buyer that the engine oil filter is 'engine life insurance,' but too often the owner overlooks the fact that in time the policy lapses, that is the filter becomes no longer effective and should be replaced.

"Some manufacturers recommend replacement at the end of a specified mileage, some when a test indicates that the oil no longer flows through the filter sufficiently freely—the result of gradual accumulation of sludge and abrasives removed from the oil circulating system.

Tests made in the laboratory indicate clearly the extremely harmful nature of the material which the filter removes. If the black, tarry looking cloth sack removed from a new car is burned and the

ash or non-combustible matter analyzed it is found to consist of sand and gritty matter as well as small particles of metal largely what is worn from the cylinder walls and piston rings during the breaking in.

"The crankcase breather and the carburetor air filter exclude much dust which might otherwise enter the engine. Any fine material which does get in and becomes mixed with the oil is trapped out by the filter. Otherwise the fine dust would circulate again and again, and cause wear of cylinder walls, pistons, rings, bearings and in fact all parts inside the engine which turn or slide one against the other.

"The oil filter should be tested every two or three thousand miles by the mechanic in the approved service station or by the owner. The method of testing is very simple, consisting of merely opening a small valve in the oil filter outlet pipe. If the oil flows freely when the engine is running slowly the filter is good for further service but if the oil fails to flow or drips slowly even when the engine is warm and is speeded up until normal operating pressure is shown on the oil gauge on the dash the filter has become clogged and should be replaced.

"The filter is conveniently located where it can be removed as a unit by simply loosening the two oil-tube connections with a wrench and one clamp bolt with a screw driver. In fact changing an oil filter is just about as simple as changing a spark plug.

"As the filter permits the driver

OUT OUR WAY.



Tractor Company Reports Demand Large This Year

The Bunting Tractor company, Caterpillar tractor dealer for Eastern Oregon and Southern Idaho reports an unusually brisk demand for their products for spring delivery. Orders placed since the first of the year are far in excess of the volume secured during the same period of any previous year. The following list was furnished by the Idaho Highway Department, Boise, Idaho, showing those who have placed their orders during January and February and the models they chose:

Frank McKennon, La Grande,

to use the oil two or three times as long as would be safe to use unfiltered oil it saves the cost of replacement several times over during its life—but if neglected until it becomes entirely clogged it can no longer remove tarry and gritty matter from the oil and increased engine wear results."

Oregon, 2-ton; Martin Johansson, American Falls, Idaho, 20; Washington county, Welser, Idaho, 30; Lon Evers Cove, Oregon, 30; J. P. Hartvigsen, Downey, Idaho, 20; W. L. Scribner, American Falls, Idaho, 30; Albert W. and Fred Gierfield, American Falls, Idaho, 30; R. J. Day, Twin Falls, Idaho, 2-ton; Siddoway brothers, Teton, Idaho, 30; J. P. Hamann, La Grande, Oregon, 20; W. H. Sorenson, Arimo, Idaho, 20; Enterprise Livestock Co., Enterprise, Oregon, 20; Mrs. Emma McDonald, La Grande, Oregon, 30; R. J. Walz, Rexburg, Idaho, 2-ton; Boise-Payette Lumber Co., Boise, Idaho, 30; Idaho Highway Department, Boise, Idaho, 2-ton.

Hunting Tractor company attributes the growth of its business to the general trend toward power farming methods and mechanical power for all outdoor requirements coupled with the proven advantages of the Caterpillar tractor. Also, it is their belief that many who have recognized the advantages of the Caterpillar tractor for some time have been influenced to buy at this time on account of the substantial price reductions recently announced on all models.

Chrysler Now Offering Fabric Body Limousine

An announcement of more than usual interest is made by the Chrysler Sales corporation through L. W. Weeks, local Chrysler dealer, to the effect that this company is now offering for special orders a custom fabric body limousine on its '72' chassis. The new car attracted much favorable attention in the Chrysler display at the Commodore hotel during the New York automobile show.

The fabric automobile body has won considerable popularity in Europe and some observers of motor car trends are forecasting for it a vogue in this country.

The process of manufacture, as described by its sponsors, provides for making the body frame from selected kiln-dried hardwood, which is accurately machined, carefully glued and secured with joints re-inforced when necessary. This is covered with expanded metal lath, giving strength with extreme lightness, the manufacturers explain. Cotton wadding is used as the next layer in the fabric to absorb vibration, and a heavy canvas is stretched tightly over it to assure smoothness of surface. The construction is finished with a covering of merino leather cloth, a fabric with a hard weather-proof surface which is said to retain its beauty almost indefinitely.

In the '72' custom fabric body limousine, now offered by Chrysler, the fabric construction is employed rearward from the cowl bar, the hood being of metal, as usual.

Appointments of the new limousine are of characteristic Chrysler luxury. A spacious, airy interior and the high quality of broadcloth upholstery used in both front and rear compartments makes the car suitable for either owner or chauffeur driving. Two theater seats raise passenger capacity to seven. Arm rests are provided on both sides of the rear seat. Carpet covered hassocks, silk ash can, dome light, Butler finish hardware, cigar lighter, and pockets in both rear doors add to the car's equipment. The color is a lustrous black, with a belt moulding in black "polished" striping lacquer. Striping above and below the belt moulding is dark red.

Even if the car is equipped with an oil filter that eliminates the necessity of changing oil so often during the summer, it is well to remember that every 500 miles is the right time for a new supply in winter. The filter is designed to remove only solids from the oil, and this it does effectively at all seasons. In winter, however, the oil is attacked by liquids, such as gasoline, water and acids, and these will do damage if allowed to dilute the oil for a long period. The filter does not remove them.

By Williams

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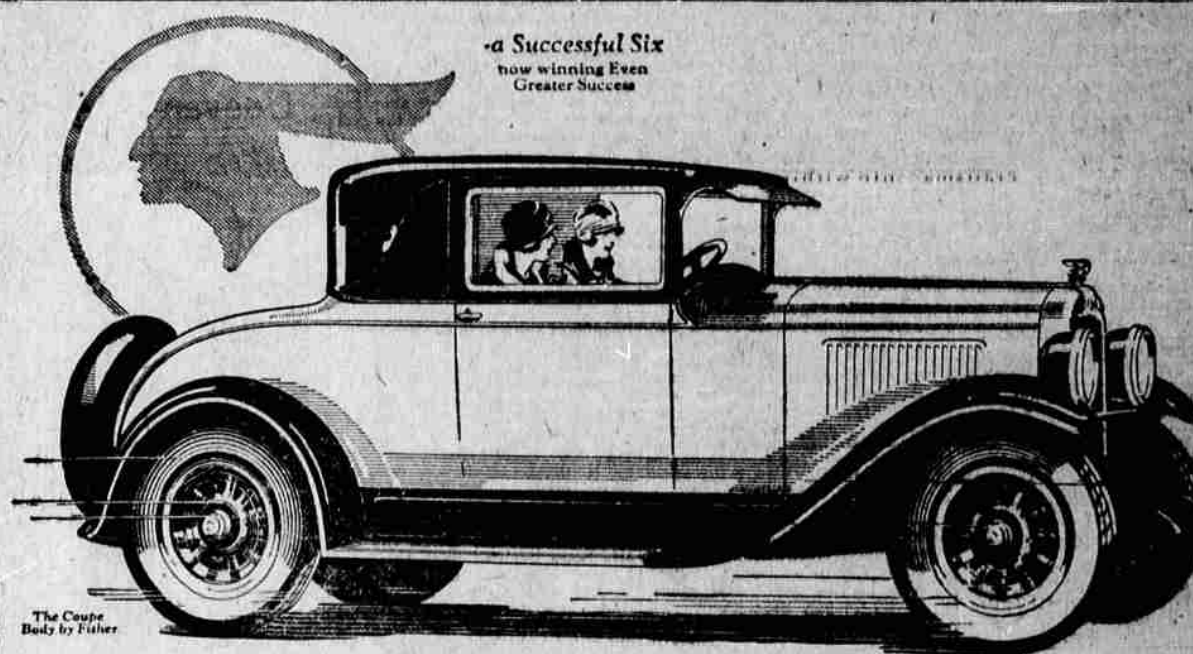
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La Grande, Oregon
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