

B & C Specialty Products Inc

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Instructions for Continued Airworthiness for

B&C Specialty Products

BC702 Oil Filter Adapter

The BC700 **OFA** itself requires no recurrent maintenance and it in no way affects the oil change intervals or inspection requirements recommended by the engine manufacturer for engines equipped with spin-on oil filters. It is recommended that during oil changes the **OFA** be inspected for leaks. The reason for all oil leaks should be determined and corrective action taken.

The **OFA** is engraved with the words "USE ONLY CHAMPION CH48108 OR CH 48109". These filters not only meet the dimensional requirements of the **OFA** but also provide the required oil filter bypass valve. The **OFA** does not provide this bypass valve. Use of a filter without a bypass valve could result in loss of oil pressure or engine lubricating oil if the filter becomes partially or completely blocked.

When replacing the oil filter, the gasket should be lubricated with Dow Corning -4 Compound or clean engine oil and the filter tightened to 16-18 Ft-Lbs torque. Run the engine and check for correct oil pressure and oil leaks and then safety wire the filter.

The **OFA** uses the standard Lycoming thermostatic bypass valve (Vern-a therm) for the control of engine temperature and as a oil cooler bypass valve. Problems with oil temperature or oil pressure should be approached in the same manner as if the engine was equipped with a Lycoming spin-on oil filter adapter or oil screen housing.

If the **OFA** must be removed for any reason, care must be used to assure that the correct replacement gasket is used. B&C gasket part number 700-302-1 must be used between the **OFA** and the accessory case. If a spacer is used, the 700-302-1 gasket must be used between the **OFA** and the spacer and Lycoming gasket part number LW-12795 between the spacer and the accessory case. Use a thin film of Loctite 518 on both sides of each gasket. When re-installing the **OFA** the bolts should be tightened to 75 In-Lbs. torque.

All other service of the **OFA** is by replacement only.