OIL SEPARATOR - CRANKCASE VACUUM EVACUATION VALVE & SAFETY RELIEF SYSTEM INSTALLATION

DETAIL

TO LOWER CONNECTION ON SAFETY BYPASS KIT

ONE WAY CHECK VALVE

A CLAMP ON SADDLE MOUNT IS ALSO AVAILABLE, REQUIRING NO WELDING, JUST DRILL A HOLE AND CLAMP IT ON.

PUSH ON HOSE & FITTINGS
SIX CYL. MODELS ARE 3/4"
FOUR CYL. UNITS ARE 5/8"

BREATHER LINE FROM TOP OF ACCESSORY CASE

BLOWBY VAPOR MIST OVERBOARD EVAC TUBE

CENTRIFUGAL CONE

DIVIDER BLADE ASSEMBLY

FROM ENGINE

OIL CAPTURE MEDIA

#4 AN OIL RETURN LINE TO CRANKCASE

1 3/8" OR 5/8" OIL CATCH LEVEL

NEW BREATHER LINE TO BE VENTED OVERBOARD OR TO SAFETY BYPASS T-ASSEMBLY AND VACUUM SYSTEM

PREFERRED OIL SEPARATOR MOUNTING LOCATION ON FIREWALL

MOUNT THIS UNIT AS HIGH AS POSSIBLE ON FIREWALL TO FACILITATE PROPER DRAINAGE

FLOW

EXHAUST PIPE

EXHAUST FLOW

FIREWALL

WELD

30 DEG. MINIMUM

FLOW

NEWBREATHER LINE TO BE VENTED OVERBOARD OR TO SAFETY BYPASS T-ASSEMBLY AND VACUUM SYSTEM

DETAIL FOR "SAFETY" BYPASS KIT INSTALLATION

HOSE FROM BOTTOM OF SEPARATOR

BRASS T FITTING

POP-OFF VALVE 5 PSI TO OPEN PREINSTALLED DO NOT REMOVE

VENT THIS HOSE OVERBOARD

SADDLE MOUNT ASSEMBLY & EVACUATION TUBE

IMPORTANT REQUIRED SYSTEM MAINTENANCE

IT IS VERY IMPORTANT TO CHECK THE EVACUATION TUBE WHERE IT ENTERS THE EXHAUST PIPE AT EVERY OIL CHANGE OR 50 HRS. THIS INSPECTION IS TO REMOVE ANY COKING OR BUILDUP THAT COULD IMPAIR THE FREE FLOW OF CRANKCASE BLOWBY FROM EXITING THE ENGINE. EVEN WITH THE SAFETY BYPASS INSTALLED THIS INSPECTION IS NECESSARY TO ENSURE THE PROPER OPERATION OF THE EVACUATION SYSTEM. IF EXCESSIVE BUILDUP IS FOUND THEN MORE FREQUENT INSPECTIONS ARE INDICATED.

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