

LOCATION WHERE CONCERN WAS RAISED: Odessa, TX

PRODUCT: Pink #4 Hard Top Valve

MFR: ST9 Gas & Oil

OBSERVATION: Gap between leg and body on pink #4 valve. Cracked threads on some valve bodies.

SOLUTION: On some of the inventory of pink #4 valves, the legs were not threaded completely into the valve body which caused leg breakage in some cases. Additionally, improper valve boss design along with faulty carburization process also led to cracked valve body. The solution was 2-part.

Part 1: Current inventory was sent back to re-machine the thin boss and replace with an insert. This allowed us to circumvent the over-hardening of the threads during carburization. New legs were threaded into the valve body and torqued properly then sent to urethane. You may see some of these temporarily for the next several months. Functionally they are the same as the new valves shown in pic 3.

Part 2: For future inventory, the valve body undercut was modified to limit over-hardening of female valve body threads during carburization. The new valve is shown in picture 3.



Pic 1: Leg gap



Pic 2: Insert fix for current inventory (w/o urethane)



Pic 3: New valve

Note:

FOR MORE INFORMATION CONTACT:



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