



# TECHNICAL SERVICE BULLETIN

TSB 2021-1002 Level: 2

Effective June 18, 2021

|                                   |                                                                                           |
|-----------------------------------|-------------------------------------------------------------------------------------------|
| <b>Topic</b>                      | Oil drain plug O-ring replacement SuperEvac™ PLUS II                                      |
| <b>Potentially Affected Units</b> | SuperEvac™ PLUS II models manufactured before 06/18/2021                                  |
| <b>Resolution</b>                 | Replace the existing O-ring with the corrected O-ring and properly tighten the drain plug |

## ISSUE:

The SuperEvac™ PLUS II had an issue in initial production where the wrong O-ring was used due to a production error. This incorrect O-ring can cause the sump to leak if the drain plug is overtightened, which is easy to do even with just hand tightening.

## ROOT CAUSE ANALYSIS:

The O-ring used in the initial run was 1 size too large. When overtightened, this can cause the O-ring to extrude out past the mating shoulder on the drain plug which can create a leak path between the sump and drain plug. The black coating on the sump reduced friction and exacerbated this problem and made it possible to cause O-ring extrusion even with just hand tightening force.

## INSTRUCTIONS:

To solve this issue, the existing drain plug O-ring should be replaced with the properly sized O-ring. Drain the oil from the pump, then remove the existing O-ring from the drain plug with needle nose pliers. Place the new O-ring over the end of the drain plug, and roll over the threads until it is fully seated. Re-insert the drain plug into the pump cover, and tighten until the O-ring just contacts the metal sump, plus between 1/4 to 1/3 turn. Overtightening the drain plug can reduce seal life of the O-ring.

For further information about how to replace the O-ring, or to see a video of recommended procedure, please visit <https://yellowjacket.com/product/superevac-plus-ii-vacuum-pumps/> or contact YELLOW JACKET® Technical Service at 800-769-8370 or email [techserv@yellowjacket.com](mailto:techserv@yellowjacket.com).