

Oil Suction Manifold Weld Issues

COMMUNICATION:

FIELD SOLUTION: Replace Oil Suction Manifold

PUBLISH DATE: NA

TOPIC BACKGROUND:

PRIMARY EFFECT:

- CEL, low oil pressure caused by an oil suction manifold weld failure to the cap.

AFFECTED MODELS:

VISUALIZATION:



PROGRESS UPDATES:

- Service Engineering will be getting intact high mileage OSM's for additional internal testing and supplier testing.
- Engineering has completed pull tests on the bracket. Additional retention has been identified as being required.

TOPIC RESOLUTION INFORMATION:

PRODUCTION CHANGEOVER WEEK/MONTH:

- TBD

RESOLUTION:

- Have seen some weld failures since the last clean point of May 2016, both end cap weld failures and drain back valve cover failures, along with some oil suction manifolds having a hole in the bridge.
- The hole in the suction manifold should only affect manifolds manufactured between 2018 and 2019.
- There was a machine change made by the supplier in December of 2020, unrelated to any failures, and we have seen a decline in failures in parts made after that date.
- Working on a potential "field fix" concept bracket to hold the cap in place. Testing of the bracket will be starting soon.