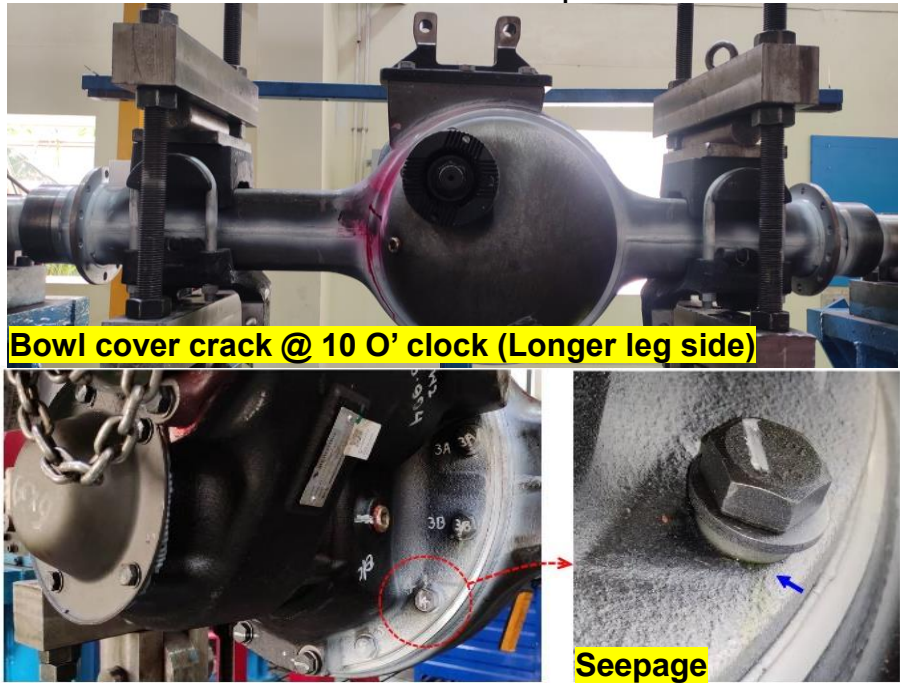


MD1497 & MD15I TP101 VALIDATED SAMPLE HOUSING TO DRIVE HEAD JOINT OBSERVATION

MD1497 14 bolt version axles

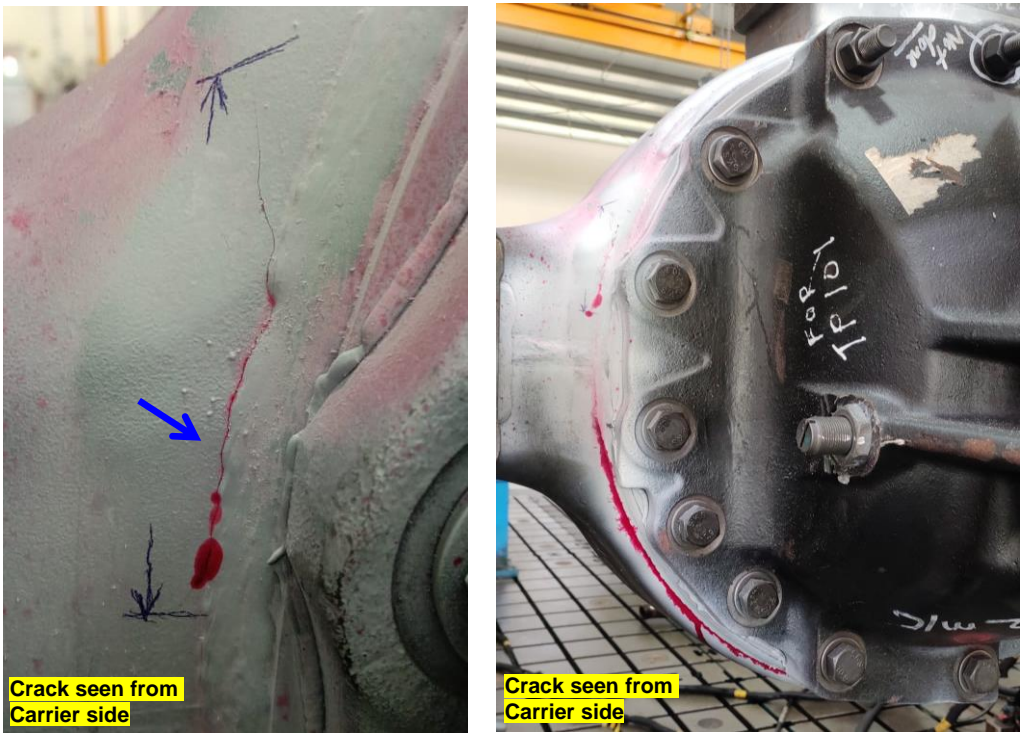
Test samples with 50mm & 60mm long screws
And with/without dowels have failed in similar fashion-
bowl cover crack at 10 O' Clock position as shown



VFT SAMPLE	AXLE MODEL	CARRIER JOINT CONFIG	JOINT SEEPAGE OBSERVATION	AXLE HSG FAILURE Criteria 5L Cycles
1	MD1497	14 Bolt+ Dowel + 50mm screws	Yes (2.3L cycles)	Not tested until hsg failure
2	MD1497	14 Bolt+ Dowel + 50mm screws	Yes (4.60L cycles)	Yes (5.1L cycles)
3	MD1497	14 Bolt+ NoDowel + 50mm screws	No	Yes (5.17L Cycles)
4	MD1497	14 Bolt+ Dowel + 60mm screws	No	Yes (5.25L Cycles)

MD15i 15 bolt version axles

60mm long screws and without dowels
has failed in similar fashion-
Housing crack on carrier side as shown



VFT SAMPLE	AXLE MODEL	CARRIER JOINT CONFIG	JOINT SEEPAGE OBSERVATION	AXLE HSG FAILURE
5	MD15i	15 Bolt+ No Dowel + 60mm screws	No	Yes (6L Cycles)