DAIMLER TRUCKS NORTH AMERICA
AFTERMARKET

No.: 24CSA-02
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TO: Service Locations

FROM: Service Methods

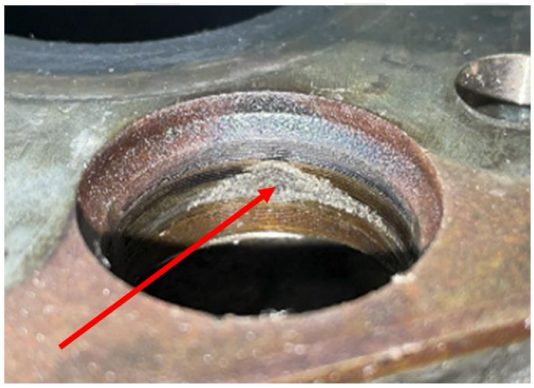
SUBJECT: **Gen 5 DD15 (472912) Cylinder Head 24 mm Cup Plug Coolant Leaks**

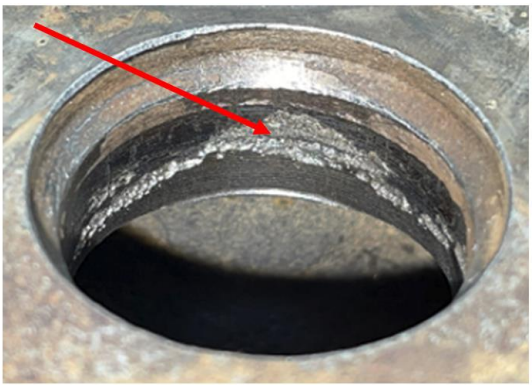
ISSUE

There are six 24 mm cup plugs located below the exhaust ports on a Gen 5 DD15 cylinder head. See yellow plugs in the below image.



Pitting can occur in the cup plug bore of the cylinder head casting, resulting in an active external coolant leak (seeping, weeping, dripping) past one or more of these 24 mm cup plugs. See examples of cup plug bore pitting below. The cup plug bore should be smooth where the edge of the plug seals, and not missing any of the casting material.





Replacing the serviceable 24 mm cup plug with another cup plug has shown mixed success as a long-term repair solution to prevent future coolant leaks.

REQUIRED ACTION

When diagnosing an active external coolant leak (seep, weep, drip) leads to one or more of these 24 mm cup plugs leaking, remove the cup plug and check for pitting in the cup plug bore. If the cylinder head cup plug bore is pitted, resulting in the coolant leak, replace the cylinder head.

Detroit is working on a repair solution to avoid cylinder head replacement, but this repair will require a new special tool, and will not be available for several months. Communication will be sent when this repair is ready.

CONTACT INFORMATION

Please contact the Detroit Diesel Customer Support Center at 800-445-1980 or email csc@daimler.com if you have any questions.