



Solution K90500425

Friday, October 4, 2019 7:32:49 PM CEST

**** SOLUTION ****

Title	Under Review AMT-F Oil In Control Housing Or TECU-- Need specifics on the cleaner. Need to add "bench test before reinstallation"
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Mack Models

Mack Model	MRU - TerraPro , AN - Anthem , CHU - Pinnacle, Axle back , CXU - Pinnacle, Axle front , GR - Granite , GU - Granite , PI - Pinnacle
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Volvo Models

Volvo Model	VN , VNL , VNM , VNR , VNX , VAH , VHD , VT
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Emission Standard

Emission Standard	US17 , US17+OBD16 , US17+OBD18 , US17+OBD19
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Engine family

Engine family	11L Engine , 13L Engine , MP7 , MP8
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Transmission

Transmission	mDrive HD , AMT-F , AMT-F With Crawler Gears , AMT-F Without Crawler Gears , mDrive , AMT-F , AMT-F , AMT-F With Crawler Gears , AMT-F Without Crawler Gears
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**** SOLUTION ****

Cause

In several instances there has been oil found in the control housing of the transmission during fault investigations. The oil may or may not be a cause of the customer complaint. There may also be excessive oil residue or leakage from the vents on the left side of the gearbox.

Solution

If there is oil leakage from the gearbox vents or a report of 'smoke' or 'oil mist' during shifting, gear box testing or PTO operations accompanied with excessive air leakage during these operations then the CBR K05014391 for Mack and CBR K34232811 for Volvo should be referenced.

If there is no air leakage or only slight air leakage from vents during countershaft brake testing and oil is found in the control housing then remove the gearbox from the vehicle and remove the countershaft brake airline and inspect for oil intrusion. If oil is found in the countershaft brake airline then repair or replace the countershaft brake as needed.

The clutches in the countershaft brake must also be replaced.

The Countershaft brake assembly is not available as an assembly. Order parts as needed. Repair instructions are available in IMPACT for the countershaft brake piston assembly.

Clean the oil from the inside of the control housing and from the TECU with a circuit board cleaning spray and blow it dry with compressed air. Unplug the connectors from the circuit board and clean the oil from inside the connections and blow dry. Clean all the air passages for the countershaft brake and reassemble the unit.





Solution visibility	Dealer distribution
Support Area	CBR
Function(s)/component(s) affected	
Function affected	Countershaft Brake , Control Housing , Housing - Complete , Transmission Oil Piping
Function Group	
Function Group	43 gearbox
Customer effect	
Fluid problem	leak
Fluid implicated	Air
Visual appearance	leaking
Administration	
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