



## Solution

|                         |                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Title (customer effect) | Volvo Chassis - Equipped With A Variable Geometry Turbo ( VGT ) - Oil Leakage From Turbo / Oil Or Oil Residue Observed in Charge Air System |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|

|       |                                                                                                                        |
|-------|------------------------------------------------------------------------------------------------------------------------|
| Cause | Issues with the Charge Air System may result in the presence of oil in the Charge Air Cooler ( CAC ) or intake piping. |
|-------|------------------------------------------------------------------------------------------------------------------------|

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Solution | <p>If oil is found in the Charge Air System or the Turbo Compressor Outlet, the turbo should not be condemned immediately.</p> <ol style="list-style-type: none"><li>1. Review <a href="#">SNV15-013</a> and follow all guidelines outlined.</li><li>2. Ensure that the turbo itself has not experienced a failure aside from the oil leakage.<ul style="list-style-type: none"><li>• A major oil leak from the turbo would more likely be an internal failure.</li></ul></li><li>3. Check repair history and verify that there were no previous failures that could have left oil residue in the system.</li><li>4. If the issue persists following repairs or there are no issues found from SNV guidelines, further diagnostics will need to be performed to determine the source of the oil.</li></ol> |
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|                     |                                     |
|---------------------|-------------------------------------|
| Solution visibility | <a href="#">Dealer distribution</a> |
|---------------------|-------------------------------------|

## Function(s)/component(s) affected

|                   |                       |
|-------------------|-----------------------|
| Function affected | engine , Turbocharger |
|-------------------|-----------------------|

## Function Group

|                |                  |
|----------------|------------------|
| Function Group | 255 turbocharger |
|----------------|------------------|

## Customer effect

|                      |                                                                                              |
|----------------------|----------------------------------------------------------------------------------------------|
| Main customer effect | soot , regeneration , fluid , smoke , diagnostics/methodology , efficiency/abnormal behavior |
|----------------------|----------------------------------------------------------------------------------------------|

|               |      |
|---------------|------|
| Fluid problem | leak |
|---------------|------|

|                  |     |
|------------------|-----|
| Fluid implicated | oil |
|------------------|-----|

|                                        |                                                                                         |
|----------------------------------------|-----------------------------------------------------------------------------------------|
| Lights/Messages on information display |  oil |
|----------------------------------------|-----------------------------------------------------------------------------------------|

## Administration

|        |         |
|--------|---------|
| Author | a175606 |
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|                     |                  |
|---------------------|------------------|
| Last modified by    | RU4469V          |
| Creation date       | 16-12-2015 17:12 |
| Date of last update | 21-11-2017 20:11 |
| Status              | Published        |

## Variantes Kola

|                                  |                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------|
| DPX - ENGINE TYPE                | ENG-VE11 - 11 L. VOLVO ENGINE , ENG-VE13 - 13 L. VOLVO ENGINE , ENG-VE16 -16 L. VOLVO ENGINE |
| KTX - ENGINE<br>EMMISION CONTROL | EM-USA10 , EM-USA14                                                                          |

## NA\_VOLVO\_Vehicle\_Range

|                               |                                                       |
|-------------------------------|-------------------------------------------------------|
| <b>NA_VOLVO_Vehicle_Range</b> | Conventional , VNR , VT , VNX , VNL , VNM , VHD , VAH |
|-------------------------------|-------------------------------------------------------|

## Engine family

|               |                                              |
|---------------|----------------------------------------------|
| Engine family | Volvo , 11L Engine , 13L Engine , 16L Engine |
|---------------|----------------------------------------------|

## Emission Standard

|                   |                                                                             |
|-------------------|-----------------------------------------------------------------------------|
| Emission Standard | 2018 , OBD2017 , US17 GHG , US16 , US15 , US07 , US10 , US13 OBD , US14 GHG |
|-------------------|-----------------------------------------------------------------------------|