

 **RITCHIE BROS. Diagnostic Report**  
Auctioneers<sup>®</sup>**2018 Freightliner Cascadia****Test Information**

|                      |                                   |
|----------------------|-----------------------------------|
| <b>Engine</b>        | Detroit Diesel DD13 (12.8)        |
| <b>Engine Serial</b> | DTDSC*471N16*471928S0491739       |
| <b>VIN</b>           | <a href="#">3AKJHHDV7JSJR8722</a> |
| <b>Driveline</b>     | Class 8 6x4                       |
| <b>Body</b>          | Truck-Tractor MDHD: Conventional  |
| <b>Test Time</b>     | Oct. 17, 2025, 10:46 a.m.         |
| <b>File Length</b>   | 22.623 s                          |
| <b>Test Time</b>     | Oct. 17, 2025, 9:28 a.m.          |
| <b>File Length</b>   | 49.815 s                          |

**Usage**

| <b>Label</b>                                                 | <b>Value</b> | <b>Units</b> |
|--------------------------------------------------------------|--------------|--------------|
| Engine Odometer                                              | 675,776      | mi           |
| Engine Total Hours of Operation                              | 19,437.5     | h            |
| Aftertreatment 1 Diesel Particulate Filter Soot Load Percent | 250          | %            |

**Engine On/Off**

Engine running

## Check Engine Light

 MIL - Emissions malfunction

 Amber Warning Lamp - Warning, but OK to drive

## Emissions Deleted/Tampered

No

## Faults

| DM                 | Controller Name             | SPN Name                                                            | FMI Name                            | Count |
|--------------------|-----------------------------|---------------------------------------------------------------------|-------------------------------------|-------|
| Active             | Brakes - System Controller  | Manufacturer Assignable SPN                                         | Condition Exists                    | 1     |
| Active             | Body Controller             | Manufacturer Assignable SPN                                         | Condition Exists                    | 1     |
| Active             | Off Vehicle Gateway         | Manufacturer Assignable SPN                                         | Condition Exists                    | 24    |
| Active             | Exhaust Emission Controller | Aftertreatment 1 Intake Gas Sensor 1 Heater Control                 | Not Responding Properly             | 3     |
| Active             | Exhaust Emission Controller | Manufacturer Assignable SPN                                         | High-moderate severity              | 5     |
| Active             | Exhaust Emission Controller | Manufacturer Assignable SPN                                         | Current Below Normal                | 3     |
| Active             | Proprietary                 | Manufacturer Assignable SPN                                         | Current Below Normal                | 126   |
| Active             | Proprietary                 | J1939 Network #2                                                    | Other Failure Mode                  | 126   |
| Previous           | Engine #2                   | Key Switch Battery Potential                                        | Erratic, Intermittent, or Incorrect | 1     |
| Previous           | Exhaust Emission Controller | Aftertreatment 1 Hydrocarbon Dosing System                          | High-least severe                   | 1     |
| Previous           | Exhaust Emission Controller | Engine Coolant Temperature                                          | Abnormal Update Rate                | 1     |
| Emissions Active   | Exhaust Emission Controller | Manufacturer Assignable SPN                                         | Current Below Normal                | 3     |
| Emissions Active   | Exhaust Emission Controller | Aftertreatment 1 Intake Gas Sensor 1 Heater Control                 | Not Responding Properly             | 3     |
| Emissions Active   | Exhaust Emission Controller | Manufacturer Assignable SPN                                         | High-moderate severity              | 5     |
| Emissions Previous | Exhaust Emission Controller | Engine Coolant Temperature                                          | Abnormal Update Rate                | 1     |
| Permanent          | Exhaust Emission Controller | Aftertreatment 1 SCR Intake Temperature                             | Condition Exists                    | 1     |
| Permanent          | Exhaust Emission Controller | Aftertreatment 1 Diesel Particulate Filter Intermediate Temperature | Not Responding Properly             | 2     |
| Permanent          | Exhaust Emission Controller | J1939 Network #2                                                    | Abnormal Update Rate                | 1     |
| Permanent          | Exhaust Emission Controller | Aftertreatment 1 Exhaust Gas Mass Flow Rate                         | Abnormal Update Rate                | 1     |
| Permanent          | Exhaust Emission Controller | Proprietary Network #1                                              | Abnormal Update Rate                | 1     |
| Permanent          | Exhaust Emission Controller | Manufacturer Assignable SPN                                         | High-moderate severity              | 1     |
| Permanent          | Exhaust Emission Controller | Manufacturer Assignable SPN                                         | Current Below Normal                | 3     |
| Permanent          | Exhaust Emission Controller | Aftertreatment 1 SCR Intake NOx 1                                   | Abnormal Rate of Change             | 8     |
| Permanent          | Exhaust Emission Controller | Aftertreatment 1 Intake Gas Sensor 1 Heater Control                 | Not Responding Properly             | 3     |
| Permanent          | Exhaust Emission Controller | Manufacturer Assignable SPN                                         | High-moderate severity              | 5     |
| Permanent          | Exhaust Emission Controller | Manufacturer Assignable SPN                                         | Abnormal Update Rate                | 1     |