

Troubleshooting

Problem:

- Increased backpressure.
- Loss of engine power.
- Frequent BP Alarms.
- Visible signs of smoke or odor.

Problem Frequency

Reoccurrence

Remove & Clean The Purfilter

Possible change in originally approved duty cycle:

- Data log new temperature trace.
- Consult with ECS Tech Support
- Change cleaning frequency

First Time

Remove & Clean The Purfilter

Run the engine w/o the Purfilter & inspect the exhaust

Exhaust has unusual smoke or odor

Yes

Heavy Black smoke

Possible causes:

- Check air filter
- Check fuel injectors
- check fuel pump

Blue Smoke or presence of oil in exhaust

Possible cause:

- Oil rings - engine burning blow by oil. Check oil consumption trend.
- Turbocharger seals or gasket failure in the engine.

White Smoke

Possible causes:

- Check coolant level - possible leakage to cylinders
- Check fuel pump - possible over fueling

Maintain the engine as per manufacturer guidelines

No

Install cleaned Purfilter

Monitor Backpressure