TURBO FAILURE: OIL LEAKS

- **Turbochargers are very precision and reliable: less than 1% of turbocharges fail due to manufacturing defect.**
- **90% of turbo failures are because of problems with foreign object damage, oil starvation, or oil contamination.**
- **Before you fit a new turbo, find out what caused the first turbo fail or you may risk the replacement unit fail again by the same reason.**

What causes oil leaks at the compressor end?

- Blocked or restricted air intake filter.
- Blocked or restricted air intake pipe or hose.
- Air leaks on intake hoses or at the intercooler

What causes oil leaks at the turbine end?

- Leaks in the exhaust system.
- Leaks in the EGR system.

What causes oil leaks at both the compressor and turbine end?

- Any restriction in the oil drain pipe from the turbo to the engine.
- Restriction in the engine breather.
- Physical damage to the turbo's rotating parts, and excessive bearing clearance.
- Repeated hot engine shutdowns leading to carbon deposits (coke) in the center housing.
- Incorrect turbo fitted.

Preventing turbo failure caused by oil leakage.

- Ensure there are no blockages or restrictions in the air and oil drain systems.
- Ensure there are no leaks in the exhaust system.

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