TURBO FAILURE: OIL STARVATION

- 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 starvation?

- Incorrect oil inlet gasket restricting oil supply.
- A blocked, damaged or poor quality oil filter.
- Worn oil pump.
- Failure to prime the replacement turbo with oil during fitting.
- The engine not being used for long periods, particularly in cold weather.
- Low engine oil level in the sump.
- A bent or kinked oil feed pipe.
- Carbon deposits (coking) in the oil feed pipe.
- Blockage caused by applying silicone to the oil inlet gasket.

Preventing turbo failure caused by oil starvation

- Do not use silicone on oil gaskets; it can easily become detached and block oil passages.
- Clean or replace oil inlet pipes to eliminate any carbon deposits or sludge that could restrict oil flow to the bearings.
- It is important to check the oil pressure and oil supply to the turbo.
- Always use fresh oil and new oil filters as recommended by the engine manufacturer when fitting a new turbo.

Technical Support by: JM TURBO TRCHNOLOGY CORP. 709 S Palm Ave, Alhambra, CA 91803 Phone: 1-626-308-2996 Fax:1-626-236-9335



