

What is overheating?	Overheating is a term used to describe components that have been subjected to abnormally high exhaust temperature or insufficient cooling.
Causes of overheating:	 Hot shut down DPF issues, such as, regeneration resulting in increased exhaust gas pressure and temperatures which leads to overheating of the turbine side of the turbocharger Remapping, chipping or over-fuelling
Signs of overheating:	 Discolouration at the hot end of the turbine wheel, spreading along journal bearing area. theat soak' from the turbine side of the turbine and bearing housing Discolouration of internal components including thrust washer and flinger; occasionally without evidence of wear Collapse (loss of tension) to turbine end piston ring area Abnormal, excess wear to turbine end piston ring and groove Turbine blades appearance being uniformly curved downwards Small sections or edges of the turbine blades being fractured/partial loss of blades Turbine blades appearance being uniformly curved downwards Turbine blades appearance being uniformly curved downwards Turbine blades appearance burbine blades being fractured/partial loss of blades Turbine blades of the turbine blades being fractured/partial loss of blades Turbine blades due turbine blades being fractured/partial loss of blades Turbine blades due turbine blades being fractured/partial loss of blades Turbine blades due turbine blades being fractured/partial loss of blades Turbine blades due turbine blades being fractured/partial loss of blades Turbine blades due turbine blades being fractured/partial loss of blades Turbine blades due turbine blades being fractured/partial loss of blades Turbine blades due turbine blades being fractured/partial loss of blades Turbine blades due turbine blades being fractured/partial loss of blades Turbine blades due turbine blades being fractured/partial loss of blades Turbine blades due turbine blades being fractured/partial loss of blades Turbine blades blades Turbine blades Turbine blades Turbine blades Turbine blades Turbine blades Tur
	Excess wear to turbine end piston ring and groove
Prevention:	 Check the DPF is in good working condition Ensure there are no leaks in the cooling lines Give the turbocharger time to cool, particularly after long journeys or harsh driving conditions TECH TIP - Overheating can often lead to insufficient lubrication due to excessive heat at the turbine end and/or carbonisation of oil within the oil feeds.

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