

heat treatment

																		Format No:-					
MATERIAL LABORATORY REPORT																							
Report No:- CF1806060																							
Part No/Part ID:				10083DL / 009				Part Name				GEAR				Date:		2018-06-29					
Qty				230				Customer:				Daimler				Batch Code:		8FNW650					
1) Raw Material :				25MoCr4																			
2) Heat Treatment: Case carburised, hardened & tempered																							
												2.1 Hardness http://ctplindia.co.in/heat_treatment/image/5b3b5ca7f1a80.png											
												Location				Specification				Observation			
												FACE				59-63 HRC				60-61			
												PCD				325-450 HBW				350			
												2.2 Effective Case Depth at 550HV1											
												Location				Specification (mm)				Observation (mm)			
												M2 PCD				0.80-1.20				0.90			
												M3BORE				0.80				0.92			
2.3 Hardness traverse report																							
Distance from surface in mm	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0			
PCD	710	700	690						550	530	500												
RCD																							
B/G ID	715	710							570	510	480												
2.4 Microstructure:																							
Location										Specification					Observation								
CASE										T,M,RA-15%MAX.					T.M+R.A.5-10%								
CORE										LCM+BAINITE					L.C.M+Bainite								
IGO-																							
Disposition:- ACCEPTED																							
Remarks :- OK																							
Checked by :-				Anshul Sharma				Verified by :-				Vishw deepak Tripathi				Approved by :-				Ravindra kale			