



HIGHTEMP FURNACES LIMITED

COMMERCIAL HEAT TREATMENT DIVISION BANGALORE

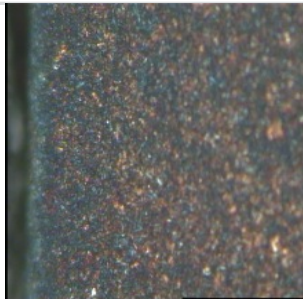
Name of Document	Trial Conducted Induction Harden & Pyro Tempering
Type of Document	Heat Treat Inspection Report
Issue Date	14/06/2010
Issued By:(Name, Phone)	[REDACTED]
Approved By:(Name, Phone)	Mr.PRATAP GHORPADE [REDACTED]

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Customer	[REDACTED]	Part Name	Rear Axle Shaft
Material	1541P	Part Number	
Process	HARDENING & TEMPERING	Comments	Trial Conducted Induction Harden
Charge Number / Furnace		Serial No. / I.R.No.	
Component weight per Pc.		Processed Qty.	2 Nos.

Surface Hardness Specification: 50 ~ 58 HRC	PYRO TEMPERED AT 195°C For 30Min.				
	Surface Hardness Results (HRC)				
	Sample-1	57	58	59	
	Sample-2	56	57	59	
Core Hardness Specification: NA (Check For Reference Only)	Core Hardness Results (HRC)				
		19	20		

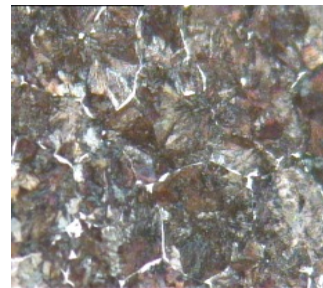
MICROSTRUCTURE AT 200X



Customer	[REDACTED]	Part Name	Rear Axle Shaft
Material	40Cr4P	Part Number	
Process	HARDENING & TEMPERING	Comments	Trial Conducted Induction Harden
Charge Number / Furnace		Serial No. / I.R.No.	
Component weight per Pc.		Processed Qty.	3 Nos.

Surface Hardness Specification: 50 ~ 58 HRC	PYRO TEMPERED AT 195°C For 30Min.				
	Surface Hardness Results (HRC)				
	Sample-1	56	56	56	
	Sample-2	56	55	55	
Core Hardness Specification: NA (Check For Reference Only)	Core Hardness Results (HRC)				
		22	22	22	

MICROSTRUCTURE AT 200X



DISPOSITION:	QA	PREPARED BY: [REDACTED]
ISSUE DATE: 14/06/2010		APPROVED BY: PRATAP GHORPADE