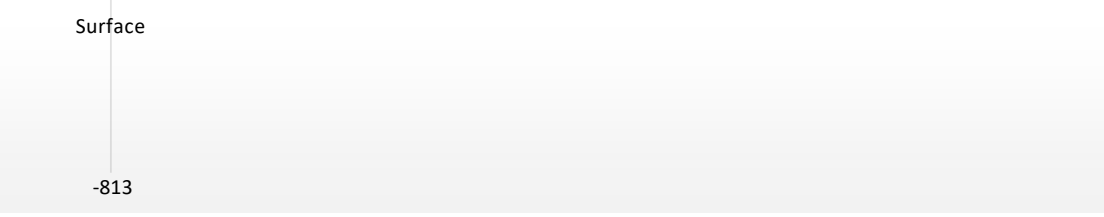


Residual stress Inspection Report			
Part Name	NHB bearing ball 12.7 mm dia	Report No./Report Date	0003/22 Nov 2023
Part No.	xxxxx	PO. No./ PO. Date	4600010963/17 Nov 2023
Customer Name	NHB Ball & Roller Ltd	Sample Identification (customer reference)	AGO12816A
Sample Receiving date	20th Nov 2023	Sample inspection Date	21-Nov-23
Machine Details			
Machine Name	: X ray Diffractometer		
Machine Make	: GNR Analytical Instruments- ITALY		
Machine model	: Spider X -Edge		
Software	: GNR SW for acquisition and analytical tasks		
Test Method	: ASTM E915/ UNI EN 15305		
Machine Setting Parameters			
Voltage & Current (Max.)	: 40.0 KV & 0.1 mA	Material	: Alfa - Iron
Reference angle	: 156 (Deg)	Plan & Cell	: Cubic & h(2),k(1), l(1)
PSI max	: 50 (Deg)	Young Modulus	XXXX
Geometry	: Psi	Gain	XXXX
Acquisition time	: 60 sec	Poison coefficient	XXXX
Test Results			
Sr. No.	Depth of inspection	Residual stress Value(Mpa)	
1	Surface	-813	± 9
RESIDUAL STRESS VALUE(MPA) 0 -200 -400 -600 -800 -1000 Residual stress Value(Mpa)  DEPTH OF INSPECTION IN MICRON — Residual stress Value(Mpa)			

--End of Report--

Checked By
C.K.Prabhakaran

Approved By
Samarth Jadhav