Doc.No:IMSR/QA/70 Rev No.01, Rev Date:24.04.2024 2. PHYSICAL PROPERTIES Actual Max 1. CHEMICAL COMPOSITION Actual Spec 4. METALLOGRAPHY Max Min 6. REMARKS Min 2.Dimension tolerence: as per IS 3739 Grade - 1 3. Microstructure: Uniform Ferrite + Pearlite 5. The material is comply with ROHS (Pb,Cd,Hg,Cr+6) permissible limits 4.Banding Ok As per UNI-8449 Grade IV 1. Cust Spec Graziano Specifications QF1001, Rev No.03, Dtd: 0.1690.1800.1301.5 2.0 M/S SSB ENGINEERS PVT.LTD H YS N/min² CUSTOMER SPECIFICATION 735 940 TENSILE PROPERTIES
(Quenched & Tempered) ASTM E8 0.275 0.150 0.400 CUSTOMER NAME Si 2.0 0.5 Refer Remarks INCLUSION RATING
(ASTM E45) 1.000 1.260 1.300N/mm² 0.0 Mn 1.0 H 1370 1030 1053 0.0 0.5 H 0.013 0.020 P Q Dinalcan H Diwakar H Prepared By 0.0 0.5H % EL 0.030 0.0240.01518.2 ∞ 0.5 1.0 S H U 1.0 0.0 1.100 0.800 1.055 H Q 1 DS 0.008 0.100 Mo MBF-EOF-LRF-VD-CCM-EMS-AMLC-HEAT' NO. 54936 IMPACT TEST
(Quenched & Tempered) IS S 0.300 0.019 0.028 DIN RATING (As Per DIN 50602) Z (RT) kgf/cm² PROCESS ROUTE Sy.No.632, Narayanadevarakere, H.B.Halli, Tq. Bellary District, 583 222 (Charpy) 0.050 0.02038.625 2 16MnCr5 GRADE SLR METALIKS LIMITED 0 14.06.2024 0.006 < S+0 TEST CERTIFICATE 60 DIA H (mm) Actual Max Min 0.300 | 0.0005 GRAIN (ASTM E112) Qu 5-8 As Rolled (BHN) 160-165 REDUCTION RATIO 240 HARDNESS Reviewed & Issued By W 200×200 14.15:1 Mallesh Naik M (mm) Malles 0.6%of dia TOTAL DECARB ASTM E-1077 (mm) Zb 7.Inspection Certificate as per EN10204:2004, type 3.1 6. Material is conforming to the customer specification 0.0020 Ca 5500 TO 6000 MACRO-STRUCTURE C2,R3,S3 Better than (ASTM E-381) 5. OTHER TESTS Better than LENGTH C2R2S2 As Actual Max Min 3. JOMINY HARDENABILITY (in HRC) JOMINY DISTANCE UNIT: mm (STANDARD: IS 3848) SUPPLY CONDITION 42.639.0 43 44.0 J1.5 ŝ.S (IS 4075) As Rolled DOWN STEP OX N 34.51/2 Pink 1/2 Green 38.040.5gn J5 COLOUR CODE MIA REMARKAN 31.135.529.0Pb J10 UPSET 25.431.525.0J15 8 Material is free from radioactive contamination 100% Bars checked for Mix-Up by PMI & Spark - Found OK 100% Bars Checked by MPI - Found OK & Material is free 100% Bars Checked by Manual UT - Found OK trom surface defects 23.529.022.5J20 Bi QUANTITY (MT) 21.027.521.0J25 ၀ 25031232 TO NO. 5.590Authorised Signatory 20.426.520.0J30 Zr posh Angadi (ppra) 1.13 2.50 H2 INVOICE NO. SE24Y-17541 (ppm) 120.0 BUNDLE 60.068.2ဌ (ppm) 20.002 15.4VEHICLE NO JH05DU3269 25-Mar-2025 DATE