## **FILTERS** Optimizing Steel Manufacturing: Charge Composition and Energy Use DATETIME Energy Consumption per Minute Energy Consumption per Ton Total Energy Consumption Production per Melt Time SECTION IC 7.4K 312.3K 1.3 20.9M GRADE DATETI... Produc... **ENERGY** KWH\_P... MELT\_... **ENERG.** HEATNO ENERGY **Total Energy Consumption** 231.4 49,078.66 29-10-20... 55.896 49078.66 725.0042 400K 29-10-20... 49.37 48704.22 647.3342 145.1 48,704.22 200K 29-10-20... 56.588 42401.19 540.0206 123.7 42,401.19 29-10-20... 49.048 38656.81 584.5667 110.1 38,656.81 **Target Energy Consumption** 03-09-20... 52.08 29795.5 386.8522 160.5 29,795.5 17.5M 29-10-20 2812634 467 2376 28 126 34 1 - 100 / 2059 6.3% Production — MELT\_TIME - HEATNO S48CS1V 1.5M **S48C** Target Production Efficiency **SAE52100** 137.5K 1M SCM420HV SUP9 Production per Melt Time 500K **45C8** 1.3 SCR420HV DY7 16MnCr5 Others Target Production Efficiency SRNO 20K Production per Melt Time 15K 5K 25M02V AISI434MO AI434M01 SAE4135 EN 1A 12... Apr 2... Feb 2... Nar... Apr 2... Feb 2... Nar... Apr 2... Feb 2... 6 Mar... Apr 2... Feb 2... 5 Mar... 15 Apr 2... Feb 2... 16 Mar... 15 Apr 2... Feb 2... 16 Mar... VS13113 C43 SUP 6 SUP-9 UC 1