MP17033 - Unity MTO Piping Analyze - SBM Scope

Date of Analysis: 19-Jul-2023

Total Number of Records: 55787

Overall Total NET weight (TON): 4228.42974224

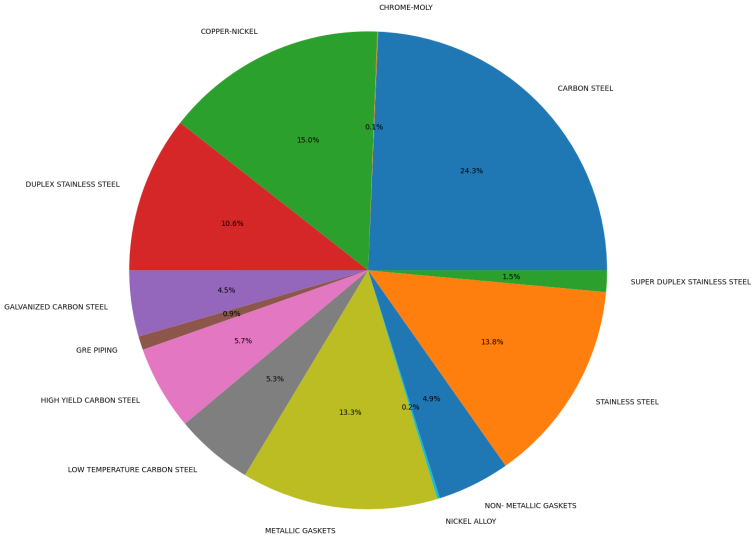
Average Unit Weight (Kg): 22.297753598508613

Total Quantity Committed: 158959.967

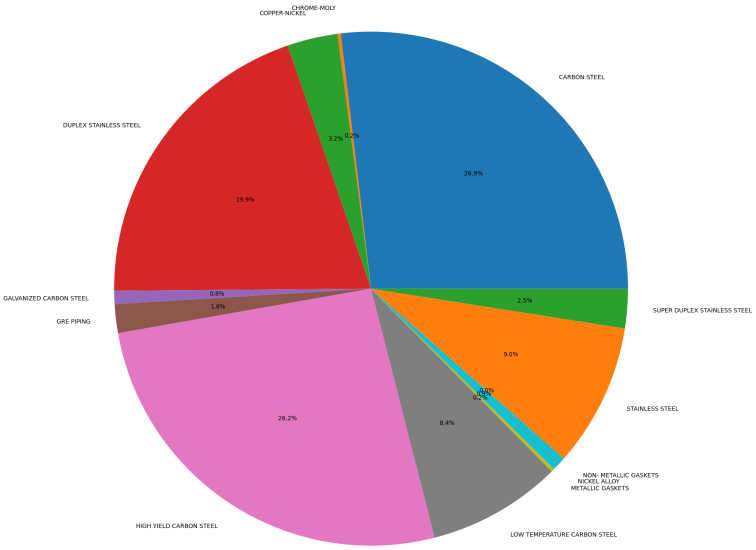
Material Type Breakdown:

Material Type	Count
CARBON STEEL	13574
CHROME-MOLY	32
COPPER-NICKEL	8378
DUPLEX STAINLESS STEEL	5911
GALVANIZED CARBON STEEL	2491
GRE PIPING	519
HIGH YIELD CARBON STEEL	3182
LOW TEMPERATURE CARBON STEEL	2947
METALLIC GASKETS	7420
NICKEL ALLOY	94
NON- METALLIC GASKETS	2737
STAINLESS STEEL	7692
SUPER DUPLEX STAINLESS STEEL	810

Material Type Breakdown (Pie Chart):



Total NET Weight Breakdown by Material Type:



Data Source and Filters:

Data Source: Bulk Team MTO Data - SBM Scope

Filters Applied:

- SBM scope = True

Data Breakdown:

Material Type: CARBON STEEL

Total NET weight (TON): 1136.6553278699998

Average Unit Weight (Kg): 23.082393546485932

Total QTY to commit (METER): 18073.152

Total QTY to commit (PCE): 22328.0

Material Type: CHROME-MOLY

Total NET weight (TON): 9.038

Average Unit Weight (Kg): 105.5625

Total QTY to commit (PCE): 74.0

Material Type: COPPER-NICKEL

Total NET weight (TON): 134.07747928999999

Average Unit Weight (Kg): 4.238484125089521

Total QTY to commit (METER): 10934.931999999999

Total QTY to commit (PCE): 15046.0

Material Type: DUPLEX STAINLESS STEEL

Total NET weight (TON): 840.0984855199998

Average Unit Weight (Kg): 42.832864151581795

Total QTY to commit (METER): 6727.593000000001

Total QTY to commit (PCE): 8506.0

Material Type: GALVANIZED CARBON STEEL

Total NET weight (TON): 35.1643883

Average Unit Weight (Kg): 7.453789642713771

Total QTY to commit (METER): 0.81

Total QTY to commit (PCE): 5540.0

Material Type: GRE PIPING

Total NET weight (TON): 76.4414775

Average Unit Weight (Kg): 69.78556840077071

Total QTY to commit (METER): 828.77

Total QTY to commit (PCE): 653.0

Material Type: HIGH YIELD CARBON STEEL

Total NET weight (TON): 1108.1080752799999

Average Unit Weight (Kg): 99.75717473287241

Total QTY to commit (METER): 4071.9130000000005

Total QTY to commit (PCE): 4628.0

Material Type: LOW TEMPERATURE CARBON STEEL

Total NET weight (TON): 356.43643309000004

Average Unit Weight (Kg): 40.46111978283

Total QTY to commit (METER): 2729.621

Total QTY to commit (PCE): 3764.0

Material Type: METALLIC GASKETS

Total NET weight (TON): 8.85948

Average Unit Weight (Kg): 0.5394716981132076

Total QTY to commit (PCE): 18030.0

Material Type: NICKEL ALLOY

Total NET weight (TON): 37.16605744

Average Unit Weight (Kg): 91.06787234042554

Total QTY to commit (METER): 119.36200000000001

Total QTY to commit (PCE): 87.0

Material Type: NON- METALLIC GASKETS

Total NET weight (TON): 0.43581

Average Unit Weight (Kg): 0.058925831202046045

Total QTY to commit (PCE): 7658.0

Material Type: STAINLESS STEEL

Total NET weight (TON): 381.15773746

Average Unit Weight (Kg): 13.228538741549661

Total QTY to commit (METER): 15046.925000000001

Total QTY to commit (PCE): 12072.0

Material Type: SUPER DUPLEX STAINLESS STEEL

Total NET weight (TON): 104.79099049

Average Unit Weight (Kg): 40.24750617283951

Total QTY to commit (METER): 871.889

Total QTY to commit (PCE): 1169.0

Quantities Checks:

Total Quantity in Meters: 59404.967

Total Quantity in Pieces: 99555.0

Insights:

Carbon steel is the most prevalent material type, accounting for a significant portion of the total records.

Chrome-moly and nickel alloy materials have relatively low representation in the dataset.

The total net weight varies across different materials, with carbon steel and duplex stainless steel having the highest values.

The average unit weight also shows variation, with chrome-moly and non-metallic gaskets having higher average weights.

The quantity committed differs based on the material type and is reported in both meters and pieces.