FOR EDUCATIONAL PURPOSES ONLY. NOT AN INVESTMENT RECOMMENDATION.

STRENGTH REPORT

METALS & MINING

"I make my best decisions when I am disorganized"

Said no one, ever



| | OLDEST | OLDER | NEWER | NEWEST / | CURRENT | |
|--|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------|--|
| OVERVIEW Index/Sector/Industry/Sub-Industry | 7 Days - 10/05/22 to 10/12/22 | 7 Days - 10/12/22 to 10/19/22 | 7 Days - 10/19/22 to 10/26/22 | 7 Days - 10/26/22 to 11/02/22 | Status 11/02/22 | |
| METALS & MINING | Weakened | Unchanged | Strengthened | Weakened | 6 Weak | |
| METALS & MINING - Aluminum | Unchanged | Unchanged | Strengthened | Unchanged | 7 Weaker | |
| METALS & MINING - Copper | Weakened | Weakened | Strengthened | Weakened | 7 Weaker | |
| METALS & MINING - Gold | Weakened | Weakened | Strengthened | Weakened | 7 Weaker | |
| METALS & MINING - Industrial Metals & Minerals | Weakened | Unchanged | Strengthened | Weakened | 5 Average | |
| METALS & MINING - Nonmetallic Mineral Mining | Strengthened | Strengthened | Weakened | Weakened | 5 Average | |
| METALS & MINING - Silver | Weakened | Weakened | Strengthened | Unchanged | 7 Weaker | |
| METALS & MINING - Steel & Iron | Weakened | Strengthened | Strengthened | Strengthened | 4 Strong | |
| · | | | | | | |
| | · | | | | | |

| NEWEST / CURRENT | 7 Davis 40/20/22 to 44/02/22 | | D. Gira | 24 | 0 | Chahua | | Strength | STRENGTH CHANGE <- Weakened | Higher Strengt |
|--|---|------------------------------------|---|-------------------------|---------------------------------|--|---------------|--|------------------------------|-------------------------|
| NEWEST / CURRENT | 7 Days - 10/26/22 to 11/02/22 | # | Min | Max | Avg | Status | KEY: | No change | | -> Strengthened |
| METALS & MINING | Weakened | | -25% | _ | | 6 Weak | | | <- <- | |
| METALS & MINING - Aluminum | Unchanged | 5 | 13% | -2% | 8% | 7 Weaker | | | | |
| METALS & MINING - Copper | Weakened | 2 | -7% | -2% | 5% | 7 Weaker | _ | <- <- <- | | |
| METALS & MINING - Gold | Weakened | 10 | -10% | -5% | /% | 7 Weaker | <- | <- <- <- | | |
| METALS & MINING - Industrial Metals & Minerals | Weakened | 19 | -25% | 13% | 5% | 5 Average | | | <- <- <- <- | |
| METALS & MINING - Nonmetallic Mineral Mining | Weakened | 3 | 1% | 7% | 3% | 5 Average | | _ | <- <- | |
| METALS & MINING - Silver | Unchanged | 6 | -11% -17% | -1% | 7% | 7 Weaker | | | | |
| METALS & MINING - Steel & Iron | Strengthened | 9 | -1/% | 10% | 5 % | 4 Strong | | | -> -> -> | |
| | • | • | | | | · | | | | |
| | • | | | | | | | | | |
| | | | | | | - | | Strength | STRENGTH CHANGE | Higher Streng |
| NEWER | 7 Days - 10/19/22 to 10/26/22 | # | Min | Max | Avg | Status | KEY: | No change | | -> Strengthened |
| METALS & MINING | Strengthened | 54 | | 27% | 8% | 6 Weak | | | -> -> | |
| METALS & MINING - Aluminum | Strengthened | 5 | -8% | 27% | 11% | 7 Weaker | -> -> -> | | | |
| METALS & MINING - Copper | Strengthened | 2 | 6% | 18% | 12% | 7 Weaker | | -> -> -> | | |
| METALS & MINING - Gold | Strengthened | 10 | 7% | 11% | 9% | | -> -> -> | -> -> -> | | |
| METALS & MINING - Industrial Metals & Minerals | Strengthened | 19 | -9% | 13% | 6% | 4 Strong | | | -> -> -> | |
| METALS & MINING - Nonmetallic Mineral Mining | Weakened | 3 | □ -4% | 7% | 2% | 4 Strong | | | <- <- | <- <- |
| METALS & MINING - Silver | Strengthened | 6 | 7% | 17% | 10% | | -> -> -> | | | |
| METALS & MINING - Steel & Iron | Strengthened | 9 | -6% | 22% | 7% | 5 Average | | | -> -> -> -> | |
| | • | | | | | | | | | |
| | | | | | | | | | | |
| OLDER | 7 Days - 10/12/22 to 10/19/22 | | 2.0 | 24 | | Status | | Strength No change | STRENGTH CHANGE <- Weakened | Higher Streng |
| METALS & MINING | | # 54 | Min -12% | Max 22% | Avg | | KEY: | No change | vveakened | -> Strengthened |
| | Unchanged | | | | 0 % | | | | | |
| METALS & MINING - Aluminum | Unchanged | 5 | -6% -3% | 8% | 1% | 9 Weakest | | | | |
| METALS & MINING - Copper | Weakened | 2 | -5% | -2% | 3% | 9 Weakest | <- <- <- | | | |
| METALS & MINING - Gold | Weakened | 10 | -10% | -1% 22% | 4% | 9 Weakest | <- <- <- | | | |
| METALS & MINING - Industrial Metals & Minerals METALS & MINING - Nonmetallic Mineral Mining | Unchanged | 19 | —-9% —-8% | 5% | 3% 0% | 5 Average | | | | |
| METALS & MINING - Nonmetallic Mineral Mining METALS & MINING - Silver | Strengthened Weakened | 6 | | -3% | 7% | 4 Strong | <- <- <- | - | -2 | -> -> |
| | | | | | 1 | | ζ- ζ- ζ- | | _ | |
| METALS & MINING - Steel & Iron | Strengthened | 9 | -5% | = 8% | 2% | 6 Weak | | -> -> -> | -> | |
| | | | | | | | | | | |
| | • | | | | | | | | | |
| | | | | | | | | Characth | STRENGTH CHANGE | I I i a la a un Chanana |
| 72010 | 7. Davis 10/05/22 to 10/12/22 | | Min | Max | | Status | | Strength | STRENGTH CHANGE | |
| OLDEST | 7 Days - 10/05/22 to 10/12/22 | . # | Min | Max | Avg | Status | Lower KEY: | No change | <- Weakened | |
| METALS & MINING | Weakened | 54 | -21% | 6% | | 6 Weak | | No change | | |
| METALS & MINING METALS & MINING - Aluminum | Weakened Unchanged | 54 | -21% -6% | 6% | 4 % | 6 Weak 9 Weakest | | No change | <- Weakened | |
| /ETALS & MINING //ETALS & MINING - Aluminum //ETALS & MINING - Copper | Weakened Unchanged Weakened | 54 5 2 | - <mark>-21%</mark> - <mark>6%</mark> -5% | 6% 0% -1% | 4% 3% 3% | 6 Weak 9 Weakest 7 Weaker | KEY: | No change <- <- | <- Weakened | |
| METALS & MINING METALS & MINING - Aluminum METALS & MINING - Copper METALS & MINING - Gold | Weakened Unchanged Weakened Weakened | 54 5 2 10 | -21% -6% -5% -10% | 6% 0% -1% -3% | 4 % | 6 Weak 9 Weakest 7 Weaker 7 Weaker | KEY: | No change | <- Weakened | -> Strengthened |
| METALS & MINING METALS & MINING - Aluminum METALS & MINING - Copper METALS & MINING - Gold METALS & MINING - Industrial Metals & Minerals | Weakened Unchanged Weakened Weakened Weakened | 54 5 2 10 19 | -21% -6% -5% -10% | 6% 0% -1% -3% 6% | -4% -3% -6% | 6 Weak 9 Weakest 7 Weaker 7 Weaker 5 Average | KEY: | No change <- <- | <- Weakened | -> Strengthened |
| METALS & MINING METALS & MINING - Aluminum METALS & MINING - Copper METALS & MINING - Gold METALS & MINING - Industrial Metals & Minerals METALS & MINING - Nonmetallic Mineral Mining | Weakened Unchanged Weakened Weakened Weakened Strengthened | 54 5 2 10 19 3 | -21% -6% -5% -10% -21% -1% | 6% 0% -1% -3% 6% 3% | -4% -3% -3% -6% -7% | 6 Weak 9 Weakest 7 Weaker 7 Weaker 5 Average 4 Strong | KEY: | No change <- <- <- <- <- <- <- <- <- <- <- <- <- <- <- <- <- <- <- < | <- Weakened | -> Strengthened |
| METALS & MINING METALS & MINING - Aluminum METALS & MINING - Copper METALS & MINING - Gold METALS & MINING - Industrial Metals & Minerals METALS & MINING - Nonmetallic Mineral Mining METALS & MINING - Silver | Weakened Unchanged Weakened Weakened Weakened Strengthened Weakened | 54 5 2 10 19 3 6 | -21% -6% -\$% -10% -1% -6% | 6% 0% -1% -3% 6% 3% -3% | -4% -3% -6% -7% -1% | 6 Weak 9 Weakest 7 Weaker 7 Weaker 5 Average 4 Strong 7 Weaker | KEY: | No change <- <- | <- Weakened | -> Strengthened |
| METALS & MINING METALS & MINING - Aluminum METALS & MINING - Copper METALS & MINING - Gold METALS & MINING - Industrial Metals & Minerals METALS & MINING - Nonmetallic Mineral Mining METALS & MINING - Silver | Weakened Unchanged Weakened Weakened Weakened Weakened Strengthened Weakened Weakened | 54 5 2 10 19 3 | -21% -6% -5% -10% -21% -1% | 6% 0% -1% -3% 6% 3% | -4% -3% -3% -6% -7% | 6 Weak 9 Weakest 7 Weaker 7 Weaker 5 Average 4 Strong | KEY: | No change <- <- <- <- <- <- <- <- <- <- <- <- <- <- <- <- <- <- <- < | <- Weakened | -> Strengthened |
| OLDEST METALS & MINING METALS & MINING - Aluminum METALS & MINING - Copper METALS & MINING - Gold METALS & MINING - Hold Minerals METALS & MINING - Nonmetallic Mineral Mining METALS & MINING - Silver METALS & MINING - Steel & Iron | Weakened Unchanged Weakened Weakened Weakened Strengthened Weakened | 54 5 2 10 19 3 6 | -21% -6% -\$% -10% -1% -6% | 6% 0% -1% -3% 6% 3% -3% | -4% -3% -6% -7% -1% | 6 Weak 9 Weakest 7 Weaker 7 Weaker 5 Average 4 Strong 7 Weaker | KEY: | No change <- <- <- <- <- <- <- <- <- <- <- <- <- <- <- <- <- <- <- < | <- Weakened | Higher Strengthened |

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STRENGTH REPORT

METALS & MINING

"I make my best decisions when I am disorganized"

Said no one, ever



| 1 week 10/21/22 to 10/28/22 | | | | | | | Lower | Strength | STRENGTH CHANGE | Higher Strength |
|--|-----------------------------------|-----|------|--------|-----------------|---------------|----------|-------------|-------------------------|----------------------|
| <u>Sub-Industry</u> | Company | | Rank | Ticker | % Chg | <u>Status</u> | KEY: | No change | <- Weakened | -> Strengthened |
| METALS & MINING - Aluminum | Kaiser Aluminum Corp | 0.0 | 1 | KALU | 2% | 6 Weak | | | | |
| METALS & MINING - Aluminum | Constellium NV | 0.0 | 2 | CSTM | 5 % | 9 Weakest | | | | |
| METALS & MINING - Aluminum | Arconic Corp | 0.0 | 3 | ARNC | = 8% | 9 Weakest | | | | |
| METALS & MINING - Aluminum | Alcoa Corporation | 0.0 | 4 | AA | -1 1% | 9 Weakest | | | | |
| METALS & MINING - Aluminum | Century Aluminum Company | 0.0 | 5 | CENX | =1 3% | 9 Weakest | <- <- <- | <- | | |
| METALS & MINING - Copper | Southern Copper Corp | 0.0 | 1 | SCCO | 2% | 7 Weaker | | = | | |
| METALS & MINING - Copper | Freeport-McMoran Inc | 0.0 | 2 | FCX | 7 % | 7 Weaker | | <- <- <- <- | <- | |
| METALS & MINING - Gold | Alamos Gold Inc | 0.0 | 1 | AGI | 1 5% | 4 Strong | | | | <- <- <- <- <- |
| METALS & MINING - Gold | Osisko Gold Royalties Ltd | 0.0 | 2 | OR | 1 5% | 6 Weak | | | | |
| METALS & MINING - Gold | Franco Nevada Corp | 0.0 | 3 | FNV | 1 5% | 9 Weakest | <- <- <- | <- | | |
| METALS & MINING - Gold | Agnico Eagle Mines Ltd | 0.0 | 4 | AEM | 6 % | 9 Weakest | <- <- <- | <- | | |
| METALS & MINING - Gold | Royal Gold Inc | 0.0 | 5 | RGLD | 6 % | 9 Weakest | <- <- <- | <- | | |
| METALS & MINING - Gold | Sandstorm Gold Limited | 0.0 | 6 | SAND | = 8% | 9 Weakest | | | | |
| METALS & MINING - Gold | Barrick Gold Corp | 0.0 | 7 | GOLD | 9 % | 9 Weakest | <- <- <- | <- | | |
| METALS & MINING - Gold | Newmont Corporation | 0.0 | 8 | NEM | 10 % | 9 Weakest | <- <- <- | <- | | |
| METALS & MINING - Gold | Eldorado Gold Corporation | 0.0 | 9 | EGO | 10 % | 9 Weakest | <- <- <- | <- | | |
| METALS & MINING - Gold | Seabridge Gold Inc | 0.0 | 10 | SA | 1 0% | | | | | |
| METALS & MINING - Industrial Metals & Minerals | Turquoise Hill Resources | 0.0 | 1 | TRQ | 5% | 1 Strongest | | | | |
| METALS & MINING - Industrial Metals & Minerals | NACCO Industries Inc | 0.0 | 2 | NC | 3% | _ | | | | |
| METALS & MINING - Industrial Metals & Minerals | Warrior Met Coal | 0.0 | 3 | HCC | 0% | 2 Very Strong | | | | |
| METALS & MINING - Industrial Metals & Minerals | Centrus Energy Corp | 0.0 | 4 | LEU | 1% | 3 Stronger | | | | |
| METALS & MINING - Industrial Metals & Minerals | Alpha Metallurgical Resources Inc | 0.0 | 5 | AMR | 2% | 3 Stronger | | | | <- <- <- <- |
| METALS & MINING - Industrial Metals & Minerals | Arch Resources`Inc | 0.0 | 6 | ARCH | 13% | 4 Strong | | -> -> -> -> | -> -> -> -> -> -> -> | -> -> |
| METALS & MINING - Industrial Metals & Minerals | U.S. Silica Holdings | 0.0 | 7 | SLCA | 4% | 4 Strong | | | -> -> -> -> -> | -> -> |
| METALS & MINING - Industrial Metals & Minerals | Alliance Resource Partners LP | 0.0 | 8 | ARLP | 2% | 5 Average | | | <- <- <- <- | <- <- <- <- <- |
| METALS & MINING - Industrial Metals & Minerals | Peabody Energy Corporation | 0.0 | 9 | BTU | 1% | ū | | | <- <- <- | <- <- <- <- <- |
| METALS & MINING - Industrial Metals & Minerals | Livent Corporation | 0.0 | 10 | LTHM | 9% | 5 Average | | | <- <- <- | <- <- <- <- <- <- <- |
| METALS & MINING - Industrial Metals & Minerals | Natural Resource Partners | 0.0 | 11 | NRP | 1% | 7 Weaker | | | | |
| METALS & MINING - Industrial Metals & Minerals | Cameco Corp | 0.0 | 12 | CCJ | 5 8% | 7 Weaker | _ | <- <- <- | <- <- <- <- | |
| METALS & MINING - Industrial Metals & Minerals | Energy Fuels Inc | 0.0 | 13 | UUUU | 1 % | | <- | <- <- <- <- | <- <- <- <- <- <- <- <- | <- |
| METALS & MINING - Industrial Metals & Minerals | Lithium Americas Corp | 0.0 | 14 | LAC | = 8% | 8 Very Weak | | | | |
| METALS & MINING - Industrial Metals & Minerals | Materion Corporation | 0.0 | 15 | MTRN | 2 0% | 8 Very Weak | <- <- | <- <- <- <- | <- <- <- <- <- | |
| METALS & MINING - Industrial Metals & Minerals | Compass Minerals International | 0.0 | 16 | CMP | 1 7% | 9 Weakest | <- <- <- | <- | | |
| METALS & MINING - Industrial Metals & Minerals | MP Materials Corp | 0.0 | 17 | MP | □ 8% | 9 Weakest | | | | |