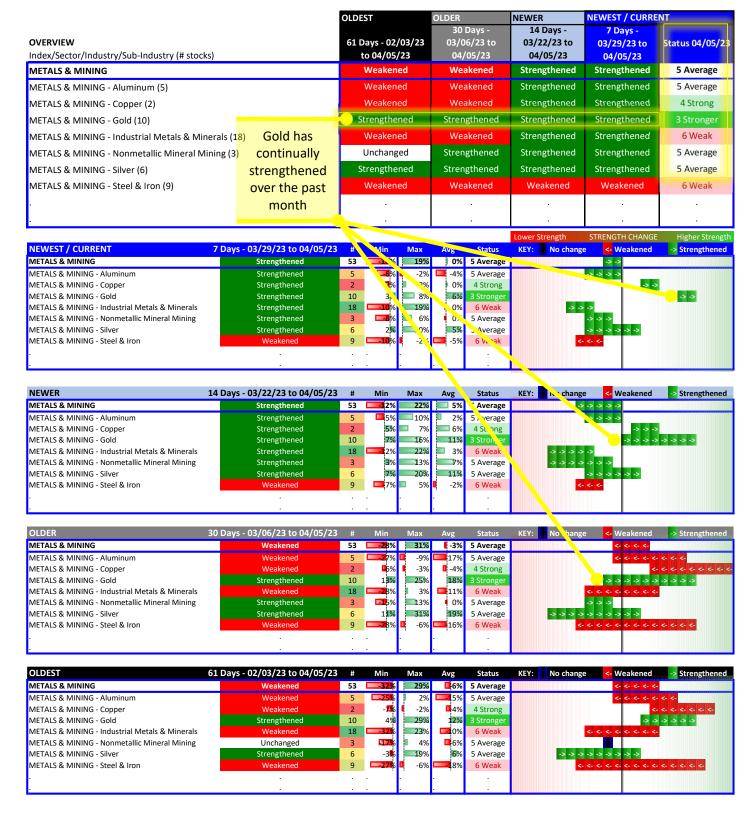
STRENGTHENING REPORT

METALS & MINING

"I make my best decisions when I am disorganized"

Said no one, ever





FOR EDUCATIONAL PURPOSES ONLY. NOT AN INVESTMENT RECOMMENDATION.

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	1 week 03/29/23 to 04/05/23							Lower	Strength	STRENGTH CHANGE	Higher Strength
Sector	Sub-Industry	Company		Rank	Ticker	% Chg	<u>Status</u>	KEY:	No change	<- Weakened	-> Strengthened
Basic Materials	METALS & MINING - Aluminum	Constellium NV	3.0	1	CSTM	-39	3 Stronger			-> ->	-> -> -> ->
Basic Materials	METALS & MINING - Aluminum	Arconic Corp	2.0	2	ARNC	- 69	3 Stronger				4
Basic Materials	METALS & MINING - Aluminum	Century Aluminum Company	3.0	3	CENX	-4 9	5 Average		-> ->	-> -> -> ->	
Basic Materials	METALS & MINING - Aluminum	Kaiser Aluminum Corp	2.0	4	KALU	-29	8 Very Weak				
Basic Materials	METALS & MINING - Aluminum	Alcoa Corporation	2.0	5	AA	5 -49	8 Very Weak				
Basic Materials	METALS & MINING - Copper	Southern Copper Corp	1.0	1	SCCO	-29	3 Stronger				<- <- <- <-
Basic Materials	METALS & MINING - Copper	Freeport-McMoran Inc	3.0	2	FCX	29	5 Average		-> ->	-> -> -> ->	
Basic Materials	METALS & MINING - Gold	Osisko Gold Royalties Ltd	4.0	1	OR	79	1 Strongest				
Basic Materials	METALS & MINING - Gold	Royal Gold Inc	4.0	2	RGLD	79	1 Strongest				
Basic Materials	METALS & MINING - Gold	Alamos Gold Inc	4.0	3	AGI	= 69	1 Strongest				
Basic Materials	METALS & MINING - Gold	Franco Nevada Corp	4.0	4	FNV	= 69	_				-> -> ->
Basic Materials	METALS & MINING - Gold	Barrick Gold Corp	4.0	5	GOLD	11 69	1 Strongest			-> -> ->	-> -> -> -> -> ->
Basic Materials	METALS & MINING - Gold	Eldorado Gold Corporation	4.0	6	EGO	5 9					
Basic Materials	METALS & MINING - Gold	Agnico Eagle Mines Ltd	3.0	7	AEM	28 9				-> -> ->	-> -> ->
Basic Materials	METALS & MINING - Gold	Sandstorm Gold Limited	2.0	8	SAND	5 9					
Basic Materials	METALS & MINING - Gold	Newmont Corporation	2.0	9	NEM	28 9					
Basic Materials	METALS & MINING - Gold	Seabridge Gold Inc	2.0	10	SA	39					
Basic Materials	METALS & MINING - Industrial Metals & Minerals	Materion Corporation	4.0	1	MTRN	-19	· ·				E
Basic Materials	METALS & MINING - Industrial Metals & Minerals	U.S. Silica Holdings	3.0	2	SLCA	1 69	2 Very Strong	-> -> -	> -> -> -> ->	-> -> -> -> -> -> ->	-> -> -> -> ->
Basic Materials	METALS & MINING - Industrial Metals & Minerals	Natural Resource Partners	2.0	3	NRP	39					
Basic Materials	METALS & MINING - Industrial Metals & Minerals	Teck Resources Limited	3.0	4	TECK	199			-> ->	-> -> -> -> -> -> ->	-> -> ->
Basic Materials	METALS & MINING - Industrial Metals & Minerals	Peabody Energy Corporation	3.0	5	BTU	39	Ü	-> -		-> -> -> ->	
Basic Materials	METALS & MINING - Industrial Metals & Minerals	Alpha Metallurgical Resources Inc	3.0	6	AMR	29	Ü			-> -> -> ->	
Basic Materials	METALS & MINING - Industrial Metals & Minerals	Warrior Met Coal	3.0	7	HCC	19			-> ->	-> -> -> ->	
Basic Materials	METALS & MINING - Industrial Metals & Minerals	Cameco Corp	1.0	8	CCJ	· -39				<- <- <- <-	<- <- <- <- <-
Basic Materials	METALS & MINING - Industrial Metals & Minerals	Nexa Resources S.A.	2.0	9	NEXA	09					
Basic Materials	METALS & MINING - Industrial Metals & Minerals	Centrus Energy Corp	2.0	10	LEU	-109					
Basic Materials	METALS & MINING - Industrial Metals & Minerals	Alliance Resource Partners LP	2.0	11	ARLP	19					
Basic Materials	METALS & MINING - Industrial Metals & Minerals	Arch Resources` Inc	2.0	12	ARCH	49					
Basic Materials	METALS & MINING - Industrial Metals & Minerals	Compass Minerals International	2 .5	13	CMP	-29					
Basic Materials	METALS & MINING - Industrial Metals & Minerals	Energy Fuels Inc	1.5	14	UUUU	-59		<- <-			
Basic Materials	METALS & MINING - Industrial Metals & Minerals	NACCO Industries Inc	1.5	15	NC	-59		<- <- <	:- <- <- <- <-	<-	
Basic Materials	METALS & MINING - Industrial Metals & Minerals	MP Materials Corp	2.5	16	MP	-59					
Basic Materials	METALS & MINING - Industrial Metals & Minerals	Livent Corporation	2.5	17	LTHM	-69			_		
Basic Materials	METALS & MINING - Industrial Metals & Minerals	Lithium Americas Corp	1.5	18	LAC	-99		<- <- <			
Basic Materials	METALS & MINING - Nonmetallic Mineral Mining	Hallador Energy Co	2.0	1	HNRG	-69	_				
Basic Materials	METALS & MINING - Nonmetallic Mineral Mining	CONSOL Energy Inc	3.0	2	CEIX	69			-> -> ->	-> -> ->	
Basic Materials	METALS & MINING - Nonmetallic Mineral Mining	Ramaco Resources Inc	2.5	3	METC	-19					
Basic Materials	METALS & MINING - Silver	Wheaton Precious Metals Corp	4.0	1	WPM	39	· ·				
Basic Materials	METALS & MINING - Silver	SilverCrest Metals	4.0	2	SILV	29					-> -> -> -> ->
Basic Materials	METALS & MINING - Silver	Mag Silver Corp	3.0	3 4	MAG	109		-> -> -	> -> -> -> ->		
Basic Materials	METALS & MINING - Silver	SSR Mining Inc		4 5	SSRM	49 49			-> -> -> ->	-> ->	
Basic Materials	METALS & MINING - Silver	Pan Amer Silver Cp	2.0	5 6	PAAS	/		-> -> -			
Basic Materials	METALS & MINING - Silver	First Majestic Silver Corp			AG	99		-> -> -	> ->	_	
Basic Materials	METALS & MINING - Steel & Iron	Commercial Metals Co	0.0	1 2	CMC	-29					
Basic Materials	METALS & MINING - Steel & Iron	Suncoke Energy Inc	0.0	•	SXC	-29	Ü				
Basic Materials	METALS & MINING - Steel & Iron	Nucor Corp	0.0	3 4	NUE X	-49					
Basic Materials	METALS & MINING - Steel & Iron	US Steel Corp	0.0	4 5		-69	Ü				
Basic Materials	METALS & MINING - Steel & Iron METALS & MINING - Steel & Iron	Steel Dynamics Inc Timken Steel Corp	0.0	5 6	STLD TMST	■ -79 ■ -39			- <- <- <-	<- <- <- <-	<- <- <- <- <-
Basic Materials Basic Materials	METALS & MINING - Steel & Iron METALS & MINING - Steel & Iron	Cleveland-Cliffs Inc	0.0	7	CLF	□ -69			: <- <- <- <-		
Basic Materials	METALS & MINING - Steel & Iron METALS & MINING - Steel & Iron	Northwest Pipe Co	0.0	, 8	NWPX	-109					
Basic Materials	METALS & MINING - Steel & Iron METALS & MINING - Steel & Iron	Insteel Industries Inc	0.0	8 9	IIIN	-109					
Dasic Iviate Idis	METALS & MINING - Steel & HOH	mateer muusunes me	0.5	,	11114	-3/	J Weakest			III III	