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EFFECT OF DRY SLIDING WEAR BEHAVIOR OF A356/TIB$_2$ ALUMINIUM COMPOSITE

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ABSTRACT.

This paper examines the dry sliding wear conduct of A356/TiB$_2$ aluminum composite arranged by the stir casting setup. A pin-on-disc wear contraption was utilized for this examination. The impact of TiB$_2$ particulate substance and ordinary load on wear rate was broke down. The insitu created TiB$_2$ strengthened particles upgrades the wear opposition of the A356 composite. The outcomes demonstrated that TiB$_2$ particles were successful to expand the wear opposition of the composite. The worn surface examination of the composite as an element of Titanium diboride particulate substance and ordinary load are likewise displayed.

Key words: Metal matrix composite, TiB$_2$, Normal load, Wear rate.

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