

DEPARTMENT OF Metallurgical & Materials Engineering

## REPORT

TITLE High stress alrasine wear behaviour study upto a sliding distance of 75m

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Date of Experiment	/14/8/2023 Jan
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DEPARTMENT OF Metallurgical × Materials Engineering PAGE NO. Jetle: Study of high stress alrasine wear behaviour of steels Sim: High stress alwasive wear behaviour upto a sliding distance of 75 m Theory: As discussed premously Procedure: As discussed premously Observation and calculation: Initial weight = 71.82659 Final weight = 71.8060g Weight loss = (71.8265-71.8060)g=0.0205g Wear rate = Volume Loss = 0.02059 Sliding distance 7.8 g/cm3 x 75 m 3.5×10<sup>-5</sup> cm<sup>3</sup>/m 3,5×10-11 m3/m Result: Weight loss is 0.0205g and wear rate is 3.5 × 10-1/2

Date 14/8/2023

Signature ......