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Micro-scale abrasion behaviour of electroless Ni-P-SiC coating on aluminium alloy

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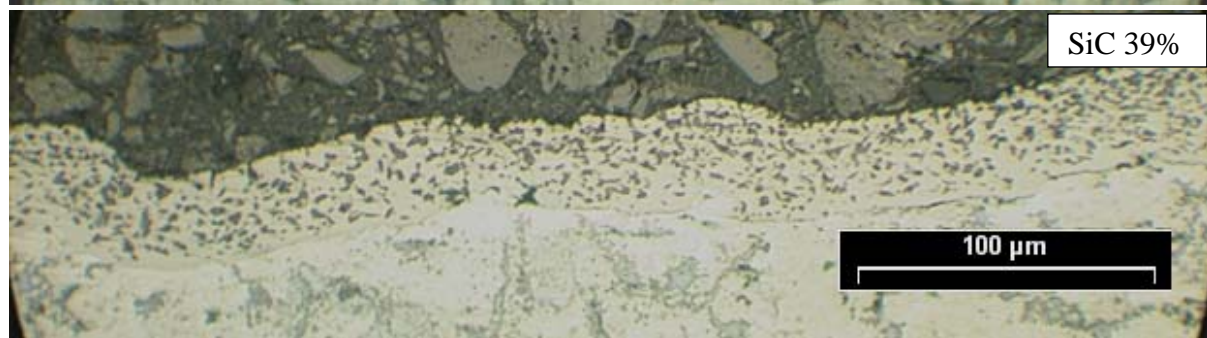
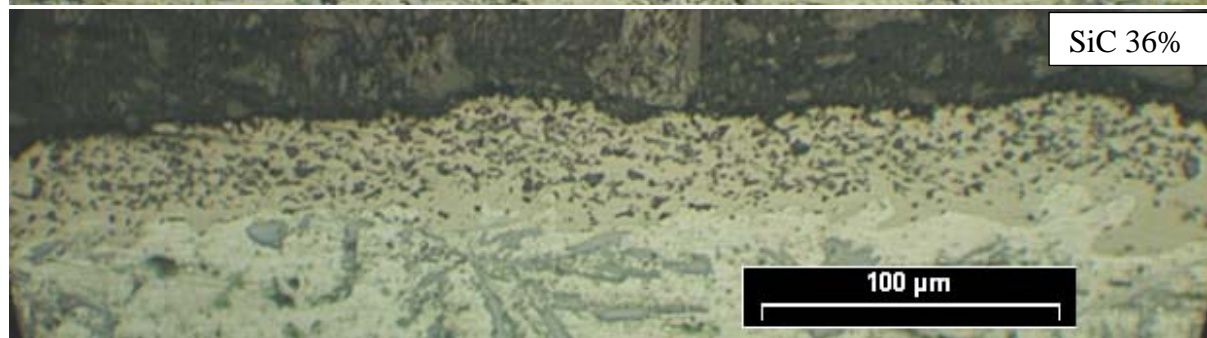
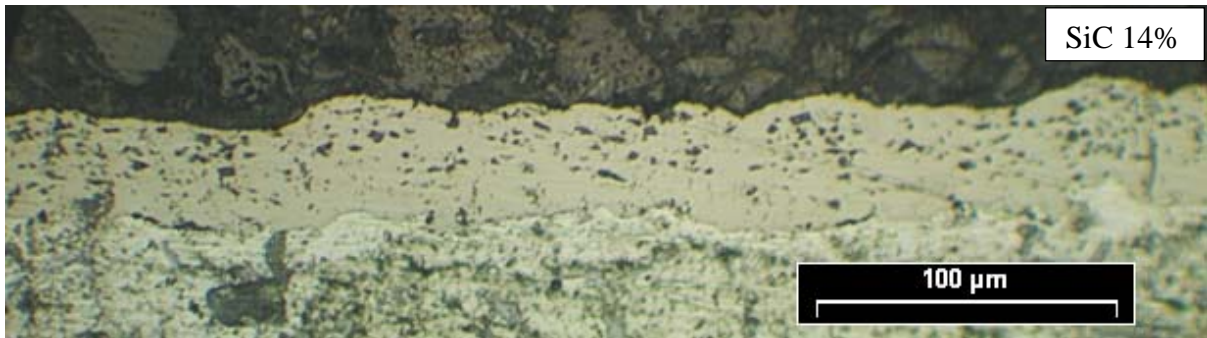
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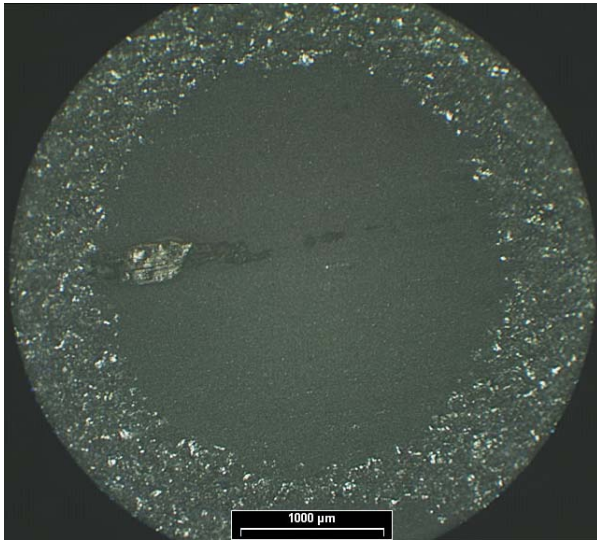
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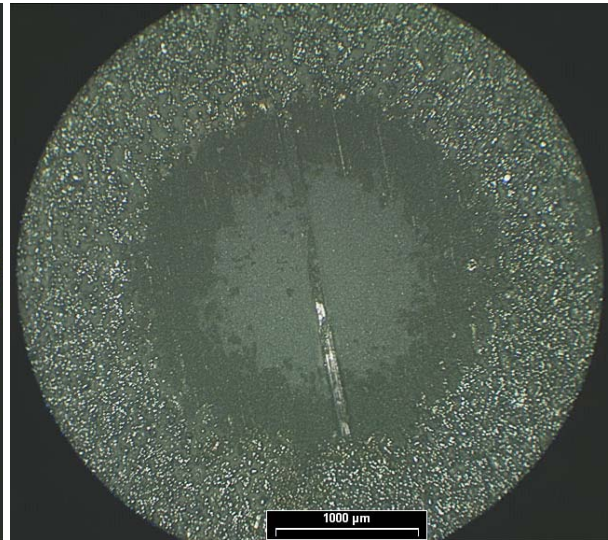
Optical micrographs of cross sections of electroless nickel composite coating of various SiC contents.



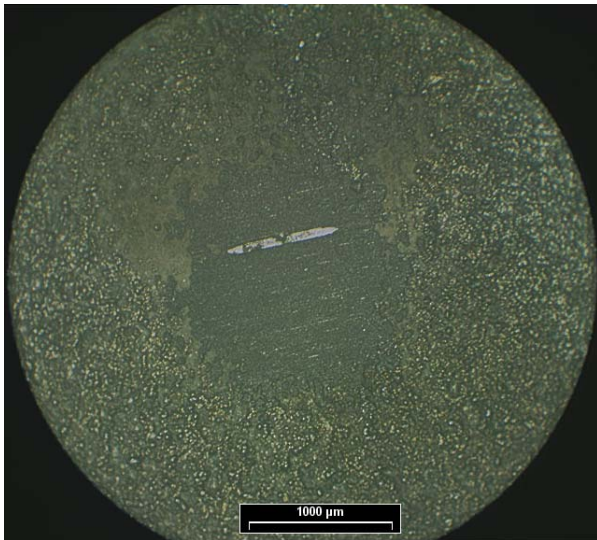
Micro-abrasion scars (approx. 76 rpm with 25.4 mm steel ball and load of 0.5 N, 1200 revolutions).



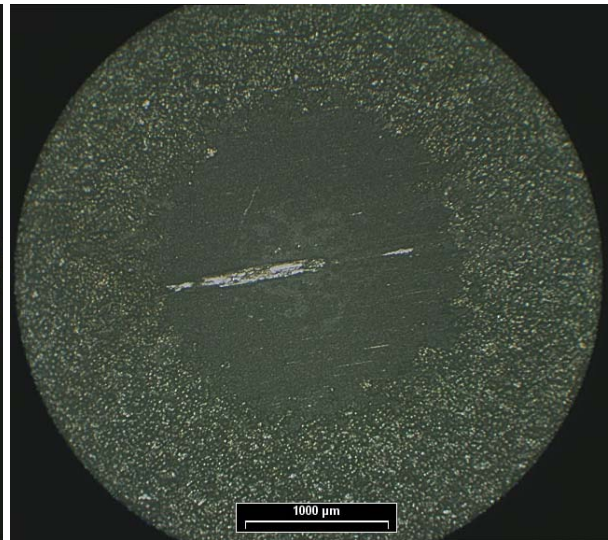
Bare aluminium alloy LM24



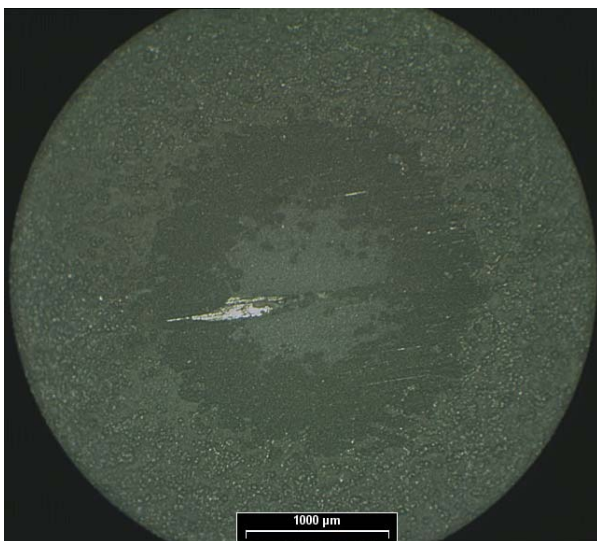
Ni-P



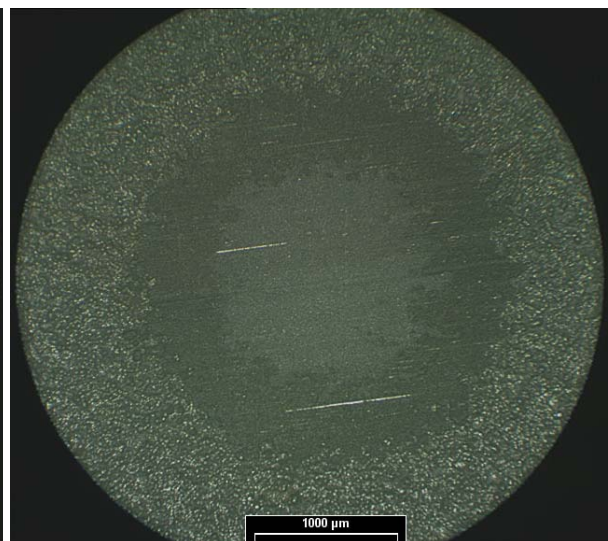
Ni-P-14%SiC



Ni-P-24%SiC



Ni-P-36%SiC



Ni-P-42%SiC