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Trivalent Chromium Process Capability Study for OEMs

Wednesday, October 2, 2019
2 pm ET

Presenter:



Mark Schario
Executive Vice President

Ask the Expert: TRIVALENT CHROMIUM PROCESS CAPABILITY STUDY FOR OEMS

In light of continuing regulations on hexavalent chromium, OEMs have expressed interest in the performance comparison of trivalent chromium to exterior automotive hexavalent chromium. This webinar will review the characteristics of trivalent chromium that impact corrosion resistance, evaluate test matrix variables such as chrome thickness levels and STEP values and present performance results of exterior corrosion testing between trivalent and hexavalent. OEMs and Tier Suppliers, engineers, quality control and plating shop owners will benefit from this presentation. As examined in the recent USCAR field test report, a review of the color stability and high-chloride corrosion performance advantages of chloride-based trivalent chromium chemistries over sulfate will also be presented.

Primary Topics:

- *Origin of Test Matrix & OEM Requested Variables*
- *Performance Evaluation of various Trivalent Chrome thicknesses*
- *Nickel Plating STEP Value Influence on Corrosion*
- *In-depth look at CASS and Russian Mud testing results and comparison*
- *Summary of Recent USCAR field test results*

PRESENTER:

Mark Schario serves as Executive Vice President for Columbia Chemical. He has over 30 years of experience in the surface finishing industry and functions as the company's top liaison to the automotive industry. He is involved in the ASTM B08.10 committee on Test Methods for Metallic and Inorganic Coatings. Widely regarded as an expert on Trivalent Chrome, Schario travels worldwide to provide comprehensive training and oversight on hexavalent to trivalent conversions and decorative line installations. He is a member of NASF and has earned the industry designation of CEF/Certified Electroplater-Finisher.

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