

Lakes Steel Corporation.
Investigation CI-4721.
P.E. Resin
1063 Line
Release Letter #894-A.

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✓ MEMORANDUM REPORT #M-56

RED RUST INHIBITING PRIMER 1063-099

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This memorandum will report the results of a study to remove soya bean oil "DULUX" resin from 1063-099. This primer was originally developed to meet the requirements of Stran Steel Specification 3A5.B-11 and to dry very rapidly (be tack free in 5-10 minutes). This product was originally based on PRC-P-12881 (51.2% soya bean oil acid-pentaerythritol, 46.5% phthalic pentaerythritide resin containing 2.3% excess pentaerythritol). Inasmuch as soya bean oil was not available for this product early this year, an exact linseed oil analog of the above resin was evaluated. This linseed oil resin, coded PRC-P-36956, was actually RC-395 out in fast flashing solvents. The solvent composition was H-257/H-15 = 80/20. No sacrifice in drying speed, hardness or aeration resistance resulted from this resin change and 1063-099 was revised to the linseed oil basis. Release Letter No. 894-A was prepared to recommend adoption of this revised 1063-099. However, to our knowledge, none of this product was sold because the customer desired a closer match to the color standard specified, which necessitated a deviation from the pigmentation required by the specification. Subsequently, marked changes in the pigmentation were necessary in order to meet the customer's cost requirements.

For details about the vehicle change, refer to Notebook 3006, pages 28, 29. The linseed oil and soya bean oil formulas are exposed in Series No. 9031.

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