

CUSTOMER: ADVANCED PAINT TECHNOLOGY

DATE: 3/31/82

REPORT NO.: ES#5930

P.O. NO.: PAID CHECK

INVOICE NO.: L-1605

REPORTED AS: IDENTIFICATION OF PAINT AND CORROSION BY X-RAY DIFFRACTION.

	"CORROSION AREA" (UNPAINTED)	"PAINTED AREA"
ALPHA SiO_2	NOT DET.	5%
FeO (OH) FLUORIDE	30-40%	NOT DET.
AMORPHOUS MATERIAL	20-30%	5%
ALPHA Fe (IRON METAL)	10-20%	NOT DET.
NOTE:	PERCENTAGES ARE APPROXIMATED FROM THE INTEGRATED INTENSITIES OF THE PRINCIPAL LINES AND REGIONS OF THE X-RAY DIFFRACTION PATTERNS.	
CONCLUSION:	THE CHANGE OF THE IRON OXIDE PHASES FROM CRYSTALLINE TO A LESS CRYSTALLINE (MORE AMORPHOUS) STATE, ARE OBSERVED IN THE SAMPLES GOING FROM THE CORRODED SURFACE TO THAT WHICH HAS BEEN PAINTED. THIS CHANGE WOULD TEND TO INDICATE A MOVE FROM ACTIVE CORROSION TO PASSIVE CORROSION.	

ANALYST:

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