

Technical Data Sheet

Physical Testing of LMM-6000 Laser Marks with Aerospace Chemicals



Laser marks were made on type 304 stainless steel tags using LMM-6000 and a CO2 laser. Marks were made at settings of 100% power, 12% speed, 500 DPI on a 35 watt laser.

Tags were totally immersed in the test solutions.

Exposure Time

Test solutions	24 Hours	1 Week	1 Month
• Skydrol 500 B-4 hydraulic fluid	No effect	No effect	No effect
• Royco 756 PAO	No effect	No effect	No effect
• Royco 782 PAO	No effect	No effect	No effect
• Aeroshell 500 turbine oil	No effect	No effect	No effect
• Royco 560 turbine oil	No effect	No effect	No effect
• Jet A jet fuel	No effect	No effect	No effect
• Aircraft De-icing fluid	No effect	No effect	No effect

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Notes:

The following fluids used meet these MIL specs:

Fluid	MIL specification
• Royco 756 PAO	MIL H-5606
• Royco 782 PAO	MIL PRF 83282
• Aeroshell 500 turbine oil	MIL PRF 23699 STD
• Royco 560 turbine oil	MIL PRF 23699 Class HTS

Contact Information

For questions about properties of this product, application techniques or laser settings, please contact:
800-245-4951 Customer Service & Technical Service

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