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MC2500[®] (Weapons Grade Solvent-Free All Synthetic Lubricant Protectant Oil) ASTM Data

TEST METHOD:	DESCRIPTION	
ASTM D-3233B	Falex Pin and V Block, 4500 lb Gauge, 120°F Pre-heat	
RESULT		
Load, Lbs	Starting Torque	Final Torque
300 lbs @ 1 min	9 lb-in	8 lb-in
500 lbs @ 1 min	13 lb-in	17 lb-in
750 lbs @ 1 min	25 lb-in	23 lb-in
1000 lbs @ 1 min	27 lb-in	20 lb-in
1250 lbs @ 1 min	23 lb-in	20 lb-in
1500 lbs @ 1 min	25 lb-in	25 lb-in
1750 lbs @ 1 min	30 lb-in	30 lb-in
2000 lbs @ 1 min	37 lb-in	35 lb-in
2250 lbs @ 1 min	47 lb-in (up to 65)	48 lb-in
2500 lbs @ 1 min	51 lb-in	48 lb-in
2750 lbs @ 1 min	53 lb-in	56 lb-in
3000 lbs @ 1 min	62 lb-in	60 lb-in
3250 lbs @ 1 min	63 lb-in	58 lb-in
3500 lbs @ 1 min	63 lb-in	61 lb-in
3750 lbs @ 1 min	65 lb-in	65 lb-in
4000 lbs @ 1 min	67 lb-in	70 lb-in
4250 lbs @ 1 min	71 lb-in	74 lb-in
4500 lbs @ 1 min	76 lb-in (smoke)	81 lb-in

TEST METHOD:	DESCRIPTION	RESULT
ASTM D-97	Pour Point	87°F
ASTM D-4172	Four-Ball Wear With Coefficient of Friction Graph	See Attached
FTM 4001.2	Salt Spray	Fails @ 36 hours
ASTM D-130	Copper Corrosion, 24 hrs @ 100°C	1A
ASTM D-972	Evaporation Loss, 22 hrs @ 100°C	0.61%
ASTM D-92	Flash Point (COC)	450°F
ASTM D-1298	Specific Gravity, API @ 60°F	12.6
ASTM D-943	Oxidation Stability, Original 144 hrs	1.31 mg KOH/g 16.97 mg KOH/g