

Tectyl® 930E2**Description**

TECTYL® 930E2 is an internal combustion engine oil and corrosion preventive for all new and rebuilt engines. The film is oily and translucent. As a preservative oil, TECTYL® 930E2 protects engine parts during covered shipment and indoor storage. TECTYL® 930E2 is

approved under Military Specification MIL-PRF-21260E, Grade 30, and has QPL Reference Number MP-433.

TECTYL® 930E2 replaces TECTYL® 930E.

Laboratory Data

Density, Weight/Gallon @ 15.6°C
Specific Gravity @ 15.6°C
Recommended Dry Film Thickness over Metal Profile
Theoretical Coverage @ Recommended DFT

Typical Properties

<u>Summary</u>	<u>Tolerances</u>
7.44 lbs./gallon	887 grams/L
0.887	0.893 – 0.898
0.4 mils	10 microns
4,010 sq. ft./gallon	98.4 sq. meters/L

Specification Limits

	<u>Typical</u>	<u>Minimum</u>	<u>Maximum</u>
Flash, C.O.C.*, Finished Oil	228°C	220°C	
API Gravity	27.5	26.5	28.5
Viscosity @100°C cST	10.47	9.97	10.97
Viscosity @ 40°C cST	79.9	64.9	94.9
Viscosity Index	115	80	
Pour Point, °C	-39		-18
Sulfated Ash	1.32	1.19	1.58
Sulfur, % Mass	0.723	0.302	1.113
Phosphorous, % Mass	0.114	0.103	0.126
Calcium, % Mass	0.291	0.263	0.320
Zinc, % Mass	0.189	0.171	0.206
Nitrogen, % Mass	0.092	0.077	
Magnesium, % Mass	0.001	0	<0.01

*C.O.C. (Cleveland Open Cup)

Surface Preparation

The maximum performance of TECTYL® 930E2 can be achieved only when the metal surfaces to be protected are clean, dry, and free of rust, oil, and mill scale. Daubert Chemical Company recommends that the metal substrate temperature be 50 - 95°F (10 - 35°C) at the time of product application.

Application

TECTYL® 930E2 is formulated to be used as supplied. Ensure uniform consistency prior to use. Continued stirring is generally not required. If the product thickens due to cold storage or loss of solvent during use, contact Daubert Chemical Company. **DO NOT THIN TECTYL® 930E2.** Incorrect thinning will affect film build, dry time and product performance. Daubert Chemical Company recommends that the ambient and product temperature be 50 - 95°F (10 - 35°C) at time of application.

TECTYL® 930E2 should be used as factory fill and break-in oil for all new and rebuilt engines. This is a completely operational oil for current production engines meeting the requirements of MIL-PRF-21260E and need not be changed until the first scheduled oil change specified by engine manufacturer. As a preservative coating, TECTYL® 930E2 is used to protect engine parts during covered shipment and indoor storage.

TECTYL® 930E2 is compatible with lubricating oils qualified under MIL-PRF-21260E, MIL-PRF-2104, and MIL-L-46152E.

Removal

TECTYL® 930E2 can be removed with TECTYL® HPS solventborne thinner, vapor degreasing, hot alkaline wash, or low pressure steam. TECTYL® 930E2 can be removed from fabrics by normal dry cleaning procedures. Avoid the use of chlorinated or highly aromatic solvents when removing from painted surfaces, as these solvents may adversely affect paint.

Caution

Refer to Daubert's Material Safety Data Sheet for health and safety instructions.

Note:

The addition of any product over or under this coating is not recommended. The use of additional coatings could result in chemical incompatibility, thus adversely affecting the performance of this coating as stated in the lab data section. If a product other than Daubert Chemical Company's recommended product is required, written authorization must be obtained from Daubert Chemical Company.

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REFER TO MATERIAL SAFETY DATA SHEET FOR HEALTH AND SAFETY INFORMATION.

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