

AEROSHELL FLUID 2XN

AeroShell Fluid 2XN is a corrosion preventative concentrate from which AeroShell Fluid 2F and AeroShell Fluid 2T are blended; the blending proportions are one part AeroShell Fluid 2XN to three parts AeroShell Oil 100 for AeroShell Fluid 2F and one part AeroShell Fluid 2XN to three parts AeroShell Turbine Oil 2 for AeroShell Fluid 2T.

In general, operators should obtain supplies blended ready for use in engines, unless the use of the concentrate is specified.

APPLICATIONS

AeroShell Fluid 2XN is primarily used as an ingredient of AeroShell Fluid 2F, but can be used undiluted to provide additional protection for piston engines after run-out on AeroShell Fluid 2F, by spraying exhaust ports, rocker arms, accessories.

For aircraft gas turbine engines a mixture of one part of AeroShell Fluid 2XN to three parts of AeroShell Turbine Oil 2 is required. Detailed instructions for inhibiting turbines are given in specification MIL-E-5607F.

The ashless anti-corrosion additive package together with the highly refined mineral base oil protects the engine by minimising the effects of humidity and neutralising the acidic components of engine oil oxidation and, in piston engines, the combustion byproducts as well.

SPECIFICATIONS

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|----------------------------------|---|
| U.S. | Approved MIL-C-6529C Type I |
| British | (Has adopted MIL-C-6529C Type I) Approved DTD900/4913A (Obsolete) |
| French | Equivalent to AIR 1503/B Type B Concentrate |
| Russian | – |
| NATO Code | C-608 |
| Joint Service Designation | ZX-21 |

Properties are controlled only for the finished blends using AeroShell Fluid 2XN.

| PROPERTIES | MIL-C-6529C Type I | TYPICAL |
|--|-----------------------|-------------|
| Oil Type | – | Mineral |
| Kinematic viscosity mm ² /s @ 37.8°C @ 98.9°C | – – | 254 20.0 |
| Flashpoint, Cleveland Open Cup °C | – | 254 |
| Pourpoint °C | – | –17 |
| Relative Density @ 15.6/15.6°C | – | 0.9 |
| Carbon residue %m | – | 0.5 |
| Ash %m | – | 0.01 |
| Lead corrosion, 4 hrs @ 149°C, mg/in ² | – | 35 |
| Copper corrosion, 3 hrs @ 100°C | – | Passes |
| Rust protection (humidity cabinet) | – | Passes |