

AEROJET TURBINE OIL AEROJET AJ 100

AEROJET TURBINE OIL AEROJET AJ 100 is a lubricating oil with a viscosity of 5 cSt at 100°C. It is based on high thermal stable neopentyl polyol esters. It possesses excellent resistance to foaming and demonstrates superior lubricity.

Applications:

- Turbines and accessories (APU, starter, IDG, etc.) of military and commercial aircraft and helicopters • Ground gas turbines (aeroderivative) including off-shore installations.
- AEROJET AJ 100 is designed for use in gas turbine engines in military and civil aircrafts as well as in stationary industrial applications,

[Specifications, and recommendations*](#)

- MIL-PRF-23699 G CLASS STD
- DCSEA 299/A
- DEF STAN 91-101 Iss.3 / OX-27 OX-28
- SAE AS5780 CLASS SPC
- Nato Code O-156

*For full list of material approvals and recommendations, please contact your local Aviation global enterprises helpdesk

[Meets: The product complies with all the requirements of the specification](#)

Properties and Specifications of AEROJET TURBINE OIL AEROJET AJ 100	
Autogenous-ignition temperature test, deg.C, 30 CFR 35.20	401
Change in Kinematic Viscosity, 72 h @ -40 C, %,	0.14

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ASTM D2532	
Density @ 15 C, kg/l, ASTM D4052	1.0036
Elastomer Compatibility, AMS-3217/4 (72hrs @204C), % swell, FTMS 791-3604	15.4
Elastomer Compatibility,AMS-3217/1(72hr @70C), % swell, FTMS 791-3604	16.2
Evaporation Loss, 6.5 h, 204 C, mass%, ASTM D972(mod)	3
Evaporation Loss, 6.5 hr @ 232 C, 29.5" Hg, mass %, ASTM D972(mod)	10.8
Evaporation Loss, 6.5 hr @ 232 C, 5.5" Hg, mass %, ASTM D972(mod)	33.5
Fire Point, °C, ASTM D92	283
Flash Point, Cleveland Open Cup, °C, ASTM D92	269
Foam, Sequence I, Tendency, ml, ASTM D892	8
Foam, Sequence II, Tendency, ml, ASTM D892	10
Foam, Sequence III, Tendency, ml, ASTM D892	8
Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445	5.1
Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445	27.4
Kinematic Viscosity @ -40 C, mm ² /s, ASTM D445	11000
Pour Point, °C, ASTM D5950	-57
Shear Stability, %KV loss, ASTM D2603	0.9
Total Acid Number, mgKOH/g, ARP 5088	0.03
Ryder Gear Load Carrying, % vs ref., FTMS 791-6508	115



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*Shelf life of OIL is approximately 10 years from the date of manufacture. Reinspection should be done every 5 years.

**For specific applications, always refer to the manufacturer's technical data sheet or guidelines to ensure compatibility and optimal performance.

***The values above are typical values. They do not constitute any contractual commitment. Sales specifications are available on request. The present technical data sheet replaces all the previous editions.



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