

# AEROSHELL TURBINE OIL 555

High load carrying capacity oil for helicopter turbine engines and transmissions

## Shell Aviation

**AEROSHELL TURBINE OIL 555 IS APPROVED BY AIRBUS HELICOPTERS, BELL TEXTRON, BOEING, MD HELICOPTERS, SIKORSKY AND OTHER HELICOPTER MANUFACTURERS.**

### ABOUT AEROSHELL TURBINE OIL 555

**AeroShell Turbine Oil 555** is a synthetic turbine oil with the load-carrying capacity essential for use in helicopter transmissions and gearboxes. The oil was first developed for the Rolls-Royce Olympus engines used to power Concorde, a supersonic passenger aircraft, and quickly found helicopter transmission and gearbox applications.

Historically, turbine oils were approved to the MIL-PRF-23699 specification, but the need to transmit more power and higher loads through helicopter gearboxes meant that MIL-PRF-23699 oils were not always suitable, which led to the development of the DOD-PRF-85734 specification. Many helicopter manufacturers have turned to the **high load carrying capacity** of **AeroShell Turbine Oil 555**, which meets this specification.

#### BENEFITS AT A GLANCE

- High load carrying capacity
- Reduced maintenance costs
- Approved by leading helicopter engine manufacturers

### CONTACT US

For a full listing of equipment approvals and recommendations, please contact your Shell Aviation representative or visit [www.aeroshell.com](http://www.aeroshell.com)

### APPLICATIONS

**AeroShell Turbine Oil 555** is used in helicopter turbine engines and transmission and gearbox systems that require a **high load carrying capacity oil**.

AeroShell Turbine Oil 555 contains a synthetic ester oil and should not be used in contact with incompatible seal materials; it also affects some paints and plastics.

### SPECIFICATIONS

- DOD-PRF-85734 (US)
- Equivalent to DEF STAN 91-100 (British)
- NATO code O-160
- Joint Service Designation OX-26
- Pratt & Whitney Approved 521C Type II
- General Electric Approved D-50 TF 1
- Allison Approved EMS-53 (obsolete)

**AeroShell Turbine Oil 555** is approved by Airbus Helicopters, Bell Textron, Boeing, MD Helicopters, Sikorsky and others, and for use in all models of the following engines and auxiliary power units (APU):

- GE CT58, CT64, CF700, CT7 and CJ610
- Honeywell T53, AL5512, ALF502, LF507, TPE331, CTS800 and most APUs
- Pratt & Whitney T3, JT4A, JT8D, JT9D, JT12A and PW4000
- Rolls-Royce LiftFan, Tyne, Gem, Adour, M45H, Olympus and RB199
- Safran Helicopter Engines MTR390 and RTM322.

