



The trusted co-pilot that's always there



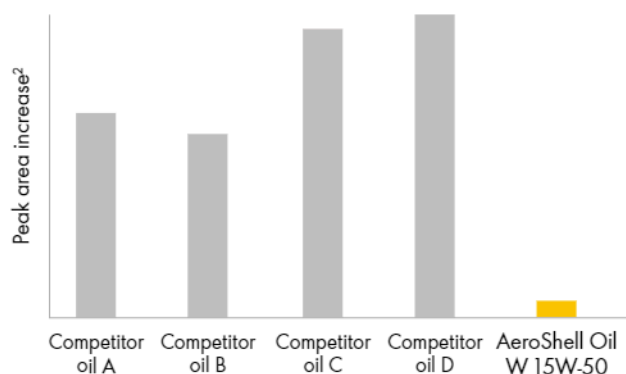
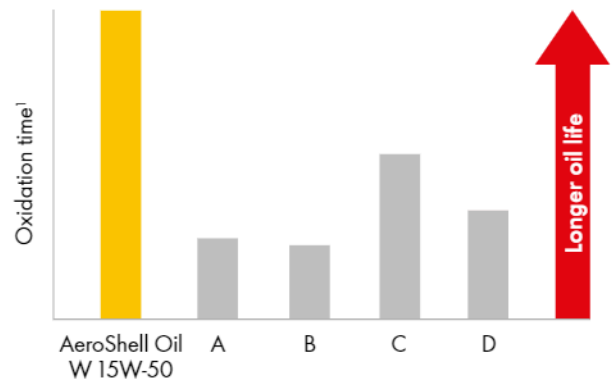
AeroShell Oil W 15W-50 offers prolonged performance to help keep your aircraft out of the workshop and in the sky. To demonstrate the benefits, we tested it against four competitor multigrade oils in key performance areas.

Longer oil life

Oxidation is the main threat to an oil's performance. In oxidation tests at 190°C/374°F:¹

AeroShell Oil W 15W-50 lasted nearly 3× longer than the next-best-selling multigrade oil and longer than all the multigrade oils tested.

Note: Accelerated ageing (oxidation) tests give a good indication of oil life, but do not directly translate to oil-drain interval (ODI). Please follow the ODI advice from your aircraft/engine manufacturer.



Excellent deposit protection

Oxidation and thermal degradation can lead to the formation of performance-robbing sludge and deposits. In tests at the maximum temperature reached in cylinder heads:²

AeroShell Oil W 15W-50 had less thermal degradation than all the multigrade oils tested.

Excellent wear protection

Metal-to-metal contact can lead to excessive wear and expensive overhauls, especially when starting in cold conditions and at hot operating temperatures if the oil cannot keep heavily loaded surfaces apart.

As a second line of defence, AeroShell Oil W 15W-50 includes an anti-wear additive package that forms a protective film designed to prevent metal-to-metal contact.

At 0°C, **AeroShell Oil W 15W-50** took **half the time** to reach full oil pressure throughout the engine compared to a competitor's 20W-50 product.

AeroShell Oil W 15W-50 had **27% higher load-carrying capacity** than the next-best-selling oils.³

¹ According to ASTM D6186.

² In-house test correlating with the industry-standard Sequence IIIG, ASTM D7320 test, followed by Fourier Transform Infrared Spectroscopy (ASTM D7214) for oil degraded at 260°C/500°F. Values in the graph are an average of two tests per oil.

³ ASTM D2783; compared with competitor multigrade oils tested.

Reducing corrosion

Corrosion is a constant threat to your engine and can lead to high maintenance and operational costs.



In industry-standard tests:⁴

AeroShell Oil W 15W-50 fully protected against rust.



AeroShell Oil
No corrosion



Competitor A
Extensive corrosion



Competitor B
Extensive corrosion



Competitor C
Extensive corrosion



Competitor D
Extensive corrosion



Shear protection

A new oil may offer outstanding performance immediately after the oil change. But if it fails to survive the extreme environment in your engine, the long-chain molecules may be mechanically sheared, thinning the oil and making it fall out of grade. If that happens, the oil may be unable to adequately protect against wear, leading to an expensive overhaul.

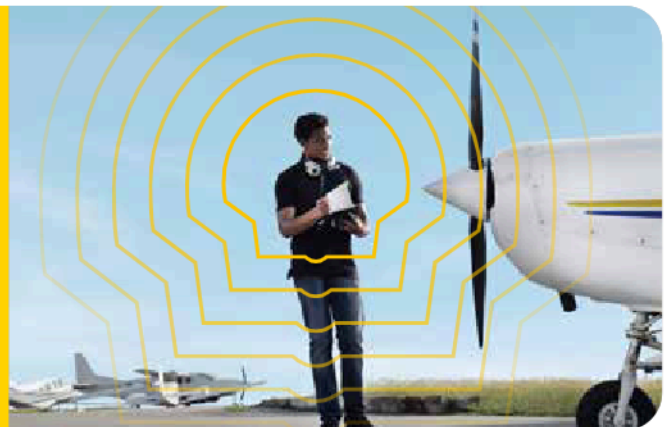
In industry standard tests:⁴

AeroShell Oil W 15W-50 had more than **80% better shear stability** and less than a 2% viscosity change. All the competitors' oils tested had a 10–15% reduction in viscosity.

What does this mean?

These tests demonstrate the prolonged protection of AeroShell Oil W 15W-50, helping to keep your aircraft out of the workshop and in the sky.

Prolonged protection means lowering the cost of flying for current and future generations. In addition, all AeroShell products come with life-cycle carbon compensation to help you move towards your lubricants' sustainability goals while protecting your aircraft⁵.



⁴ Compared with competitor multigrade oils tested according to ASTM 7109.

⁵ Slide 9 of the Shell Carbon Neutral Claim Legal Guidance, July 2022.

Contact us

To find out more about how AeroShell Oil W 15W-50 can keep you flying for longer, please contact your Shell representative or visit www.aeroshell.com.

