

Shell Aviation

# AEROSHELL FOR AIRBUS AIRCRAFT



# AEROSHELL FOR AIRBUS A320 AIRCRAFT



## APU

Honeywell GTCP 131-9A  
Honeywell GTCP 36-300  
Hamilton Sundstrand APS 3200

### AeroShell Turbine Oil 560

MIL-PRF-23699G HTS

### AeroShell Turbine Oil 500

MIL-PRF-23699G STD

### AeroShell Turbine Oil 390

DEF STAN 91-94

AMM chapter	Description
49	Airborne auxiliary power

## LUBRICATING OIL

### AeroShell Fluid 3

MIL-PRF-7870E

AMM chapter	Description
27	Flight controls
49	Airborne auxiliary power

## ENGINES

CFM56-5A/B  
IAE V2500-A1/A5

### AeroShell Turbine Oil 560

MIL-PRF-23699G HTS

AMM chapter	Description
71	Powerplant, engine oil

### AeroShell Turbine Oil 2

MIL-PRF-6081E Grade 1010

AMM chapter	Description
71	Powerplant, inhibition of engine fuel system

## EP AIRFRAME APPLICATIONS

### AeroShell Grease 64

MIL-G-21164D

AMM chapter	Description
34	Navigation

## AIRFRAME

### AeroShell Grease 33

MIL-PRF-23827C Type 1

AMM chapter	Description
25	Equipment / Furnishings
27	Flight controls
29	Hydraulic power
32	Landing gear
36	Pneumatic
38	Water / Waste
49	Airborne auxiliary power
52	Doors
53	Fuselage
54	Nacelles / Pylons
55	Stabilisers
56	Windows
57	Wings

## WHEELS AND BRAKES

SAFRAN landing systems  
UTAS wheels and brakes  
Meggit wheels

### AeroShell Grease 22

MIL-PRF-81322G

AMM chapter	Description
32	Landing gear braking

## LANDING GEAR

SAFRAN landing systems

### AeroShell Fluid 41

MIL-PRF-5606H

### AeroShell Fluid 71

MIL-PRF-6083G

### AeroShell LGF

BMS 3-32 Type 2

AMM chapter	Description
12	Servicing
26	Fire protection
32	Landing gear



# AEROSHELL FOR AIRBUS A330 AIRCRAFT

## APU

Honeywell 331-350

### AeroShell Turbine Oil 560

MIL-PRF-23699G HTS

### AeroShell Turbine Oil 500

MIL-PRF-23699G STD

### AeroShell Turbine Oil 390

DEF STAN 91-94

AMM chapter	Description
49	Airborne auxiliary power

## EP AIRFRAME APPLICATIONS

### AeroShell Grease 64

MIL-G-21164D

AMM chapter	Description
34	Navigation

## LUBRICATING OIL

### AeroShell Fluid 3

MIL-PRF-7870E

AMM chapter	Description
27	Flight controls
49	Airborne auxiliary power

## ENGINES

Trent 700

### AeroShell Ascender

MIL-PRF-23699G HTS

CF6-80E1

PW4000

### AeroShell Turbine Oil 560

MIL-PRF-23699G HTS

### AeroShell Turbine Oil 500

MIL-PRF-23699G STD

AMM chapter	Description
71	Powerplant, engine oil

### AeroShell Turbine Oil 2

MIL-PRF-6081E Grade 1010

AMM chapter	Description
71	Powerplant, inhibition of engine fuel system

## AIRFRAME

### AeroShell Grease 33

MIL-PRF-23827C Type 1

AMM chapter	Description
25	Equipment / Furnishings
27	Flight controls
29	Hydraulic power
32	Landing gear
36	Pneumatic
38	Water / Waste
49	Airborne auxiliary power
52	Doors
53	Fuselage
54	Nacelles / Pylons
55	Stabilisers
56	Windows
57	Wings

## LANDING GEAR

SAFRAN landing systems

### AeroShell Fluid 41

MIL-PRF-5606H

### AeroShell Fluid 71

MIL-PRF-6083G

### AeroShell LGF

BMS 3-32 Type 2

AMM chapter	Description
12	Servicing
26	Fire protection
32	Landing gear

## WHEELS AND BRAKES

Honeywell wheels  
Goodrich-Messier wheels

### AeroShell Grease 22

MIL-PRF-81322G

AMM chapter	Description
32	Landing gear braking



# AEROSHELL FOR AIRBUS A340 AIRCRAFT

## EP AIRFRAME APPLICATIONS

### AeroShell Grease 64

MIL-G-21164D

AMM chapter	Description
34	Navigation



## LANDING GEAR

SAFRAN landing systems

### AeroShell Fluid 41

MIL-PRF-5606H

### AeroShell Fluid 71

MIL-PRF-6083G

### AeroShell LGF

BMS 3-32 Type 2

AMM chapter	Description
12	Servicing
26	Fire protection
32	Landing gear

## AIRFRAME

### AeroShell Grease 33

MIL-PRF-23827C Type 1

AMM chapter	Description
25	Equipment / Furnishings
27	Flight controls
29	Hydraulic power
32	Landing gear
36	Pneumatic
38	Water / Waste
49	Airborne auxiliary power
52	Doors
53	Fuselage
54	Nacelles / Pylons
55	Stabilisers
56	Windows
57	Wings

## APU

Honeywell 331-350, 331-600

### AeroShell Turbine Oil 560

MIL-PRF-23699G HTS

### AeroShell Turbine Oil 500

MIL-PRF-23699G STD

### AeroShell Turbine Oil 390

DEF STAN 91-94

AMM chapter	Description
49	Airborne auxiliary power

## ENGINES

Trent 500

### AeroShell Ascender

MIL-PRF-23699G HTS

## CFM56-5C

### AeroShell Turbine Oil 560

MIL-PRF-23699G HTS

AMM chapter	Description
71	Powerplant, engine oil

### AeroShell Turbine Oil 2

MIL-PRF-6081E Grade 1010

AMM chapter	Description
71	Powerplant, inhibition of engine fuel system

## LUBRICATING OIL

### AeroShell Fluid 3

MIL-PRF-7870E

AMM chapter	Description
27	Flight controls
49	Airborne auxiliary power

## WHEELS AND BRAKES

Honeywell wheels  
Goodrich-Messier wheels

### AeroShell Grease 22

MIL-PRF-81322G

AMM chapter	Description
32	Landing gear braking



# AEROSHELL FOR AIRBUS A350 AIRCRAFT

## APU

Honeywell HGT1700

**AeroShell Turbine Oil 560**

MIL-PRF-23699G HTS

**AeroShell Turbine Oil 500**

MIL-PRF-23699G STD

**AeroShell Turbine Oil 390**

DEF STAN 91-94

AMM chapter	Description
49	Airborne auxiliary power

## ENGINES

Trent XWB

**AeroShell Ascender**

MIL-PRF-23699G HTS

AMM chapter	Description
71	Powerplant, engine oil

**AeroShell Turbine Oil 2**

MIL-PRF-6081E Grade 1010

AMM chapter	Description
71	Powerplant, inhibition of engine fuel system

## LANDING GEAR

SAFRAN landing systems  
UTAS landing gear  
Liebherr Aerospace

**AeroShell Fluid 41**

MIL-PRF-5606H

**AeroShell Fluid 71**

MIL-PRF-6083G

**AeroShell LGF**

BMS 3-32 Type 2

AMM chapter	Description
12	Servicing
26	Fire protection
32	Landing gear

## AIRFRAME

**AeroShell Grease 33**

MIL-PRF-23827C Type 1

AMM chapter	Description
25	Equipment / Furnishings
27	Flight controls
29	Hydraulic power
32	Landing gear
36	Pneumatic
38	Water / Waste
49	Airborne auxiliary power
52	Doors
53	Fuselage
54	Nacelles / Pylons
55	Stabilisers
56	Windows
57	Wings

## WHEELS AND BRAKES

SAFRAN landing systems  
UTAS wheels

**AeroShell Grease 22**

MIL-PRF-81322G

AMM chapter	Description
32	Landing gear braking

## EP AIRFRAME APPLICATIONS

**AeroShell Grease 64**

MIL-G-21164D

AMM chapter	Description
34	Navigation

## LUBRICATING OIL

**AeroShell Fluid 3**

MIL-PRF-7870E

AMM chapter	Description
27	Flight controls
49	Airborne auxiliary power



# AEROSHELL FOR AIRBUS A380 AIRCRAFT



## EP AIRFRAME APPLICATIONS

**AeroShell Grease 64**  
MIL-G-21164D

AMM chapter	Description
34	Navigation

## AIRFRAME

**AeroShell Grease 33**  
MIL-PRF-23827C Type 1

AMM chapter	Description
25	Equipment / Furnishings
27	Flight controls
29	Hydraulic power
32	Landing gear
36	Pneumatic
38	Water / Waste
49	Airborne auxiliary power
52	Doors
53	Fuselage
54	Nacelles / Pylons
55	Stabilisers
56	Windows
57	Wings

**LANDING GEAR**  
SAFRAN landing systems  
UTAS landing gear

**AeroShell Fluid 41**  
MIL-PRF-5606H  
**AeroShell Fluid 71**  
MIL-PRF-6083G  
**AeroShell LGF**  
BMS 3-32 Type 2

AMM chapter	Description
12	Servicing
26	Fire protection
32	Landing gear

**APU**  
PW980A

**AeroShell Turbine Oil 560**  
MIL-PRF-23699G HTS  
**AeroShell Turbine Oil 500**  
MIL-PRF-23699G STD  
**AeroShell Turbine Oil 390**  
DEF STAN 91-94

AMM chapter	Description
49	Airborne auxiliary power

## LUBRICATING OIL

**AeroShell Fluid 3**  
MIL-PRF-7870E

AMM chapter	Description
27	Flight controls

**WHEELS AND BRAKES**  
Honeywell wheels  
Meggitt wheels

**AeroShell Grease 22**  
MIL-PRF-81322G

AMM chapter	Description
32	Landing gear braking

**ENGINES**  
Trent 900

**AeroShell Ascender**  
MIL-PRF-23699G HTS

## GP7200

**AeroShell Turbine Oil 560**  
MIL-PRF-23699G HTS  
**AeroShell Turbine Oil 500**  
MIL-PRF-23699G STD

AMM chapter	Description
71	Powerplant, engine oil

**AeroShell Turbine Oil 2**  
MIL-PRF-6081E Grade 1010

AMM chapter	Description
71	Powerplant, inhibition of engine fuel system



## BENEFITS AND SPECIFICATIONS

Product	Benefits	Specifications and approvals (Full approval details can be obtained from your AeroShell representative.)
<b>Fourth-generation, HPC turbine engine oil for the latest engine technologies</b>		
AeroShell Ascender	<ul style="list-style-type: none"> <li>■ Shell's ultimate turbine engine oil</li> <li>■ Helps reduce maintenance</li> <li>■ Low coking propensity and high thermal stability</li> <li>■ Excellent seal compatibility</li> </ul>	<ul style="list-style-type: none"> <li>■ SAE AS5780B HPC</li> <li>■ MIL-PRF-23699G HTS</li> </ul>
<b>Third-generation, HTS turbine engine oil for modern engines</b>		
ASTO 560	<ul style="list-style-type: none"> <li>■ Helps reduce maintenance</li> <li>■ Longer engine life</li> <li>■ Lower oil consumption</li> </ul>	<ul style="list-style-type: none"> <li>■ MIL-PRF-23699G HTS</li> <li>■ SAE AS5780B SPC</li> </ul>
<b>Second-generation, STD turbine engine oil</b>		
ASTO 500	<ul style="list-style-type: none"> <li>■ Helps reduce operational costs</li> </ul>	<ul style="list-style-type: none"> <li>■ MIL-PRF-23699G STD</li> <li>■ SAE AS 5780 SPC</li> </ul>
<b>Auxiliary power unit turbine engine oil</b>		
ASTO 390	<ul style="list-style-type: none"> <li>■ Reliable cold-soak starting</li> <li>■ Approved by auxiliary power unit manufacturers</li> </ul>	<ul style="list-style-type: none"> <li>■ DEF STAN 91-94 (British)</li> <li>■ IPM-10, VNII NP 50-1 4f and 4u, and 36Ku-A (Russian analogue)</li> </ul>
<b>Fuel system inhibition turbine engine oil for use during storage</b>		
ASTO 2	<ul style="list-style-type: none"> <li>■ Protects against corrosion</li> <li>■ Mineral</li> </ul>	<ul style="list-style-type: none"> <li>■ MIL-PRF-6081E 1010</li> <li>■ Analogue to the Russian Grade MK-8</li> </ul>
<b>Universal airframe grease</b>		
AeroShell Grease 64 (formerly AeroShell Grease 33MS)	<ul style="list-style-type: none"> <li>■ Extreme protection – 5% molybdenum disulphide</li> <li>■ Excellent corrosion and wear protection</li> <li>■ Proven AeroShell Grease 33 technology</li> </ul>	<ul style="list-style-type: none"> <li>■ MIL-G-21164D</li> </ul>
AeroShell Grease 33	<ul style="list-style-type: none"> <li>■ Easier maintenance</li> <li>■ Helps reduce labour costs</li> <li>■ Less misapplication risk</li> <li>■ Simplified inventories</li> </ul>	<ul style="list-style-type: none"> <li>■ Airbus AIMS 09-06-002</li> <li>■ Boeing BMS 3-33B</li> <li>■ MIL-PRF-23827C Type 1</li> <li>■ Can be used for virtually all grease points currently using greases with MIL-PRF-23827C, MIL-G-21164D, BMS 3-24, MIL-PRF-81322G, SAE AMS 3052 and AIMS09-06-002 specifications</li> </ul>
<b>Versatile multipurpose grease</b>		
AeroShell Grease 22	<ul style="list-style-type: none"> <li>■ Severe operating conditions</li> <li>■ Long component life</li> <li>■ Versatile</li> </ul>	<ul style="list-style-type: none"> <li>■ MIL-PRF-81322G</li> <li>■ DOD-G-24508A</li> </ul>
<b>In-service hydraulic fluid</b>		
AeroShell Fluid 41	<ul style="list-style-type: none"> <li>■ Super clean</li> </ul>	<ul style="list-style-type: none"> <li>■ MIL-PRF-5606H</li> </ul>
<b>Preservative hydraulic fluid</b>		
AeroShell Fluid 71	<ul style="list-style-type: none"> <li>■ Mineral</li> </ul>	<ul style="list-style-type: none"> <li>■ MIL-PRF-6083G</li> </ul>
<b>Lubricating oil</b>		
AeroShell Fluid 3	<ul style="list-style-type: none"> <li>■ Low temperature</li> <li>■ General purpose</li> <li>■ Mineral</li> </ul>	<ul style="list-style-type: none"> <li>■ MIL-PRF-7870E</li> </ul>
<b>Extreme-pressure hydraulic fluid</b>		
AeroShell Landing Gear Fluid	<ul style="list-style-type: none"> <li>■ Extreme pressure</li> <li>■ Low temperature</li> <li>■ Mineral</li> </ul>	<ul style="list-style-type: none"> <li>■ BMS 3-32 Type 2</li> </ul>



## CONTACT US

If you want any further information, please contact your AeroShell representative or visit:

[www.aeroshell.com](http://www.aeroshell.com)