



# Castrol® Aviation Specialty Products

**For over 100 years aviation pioneers have chosen Castrol®.**

From the first powered flights to early jet engines, Castrol® has a long and proud history of helping aviators and engineers expand the boundaries of flight. Our success can be traced to the first transatlantic flight and the first solo flight from London to Australia. We were the first to develop a corrosion inhibited jet turbine oil, to lubricate a cabin supercharger and Brayco® 460 was used on the first fighter jet, Lockheed's P-80 Shooting Star.

We continue to provide industry-leading products to our customers today. Castrol® synthetic lubricants are utilized on nearly all military aircraft hydraulic systems and our products have been in space since Apollo 11.

Whatever your goals, Castrol® would like to be the first to help you achieve them.

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Castrol® is proud to bring its reputation for high performance to the commercial aviation and maintenance repair & overhaul (MRO) industries.

## Corrosion Preventatives

Preservatives and general

Product Range	Description	Specifications
<b>Brayco® 300</b>	Water displacing lubricating oil, good for low temperatures	MIL-PRF-32033A
<b>Brayco® 363</b>	Oily, transparent film	MIL-PRF-7870E
<b>Braycote® 194</b>	Dark brown, non-tacky transparent film	MIL-PRF-16173E, Class 1, Grade 4
<b>Braycote® 236</b>	Reddish-brown, soft, translucent coating	VV-P-236A

For aircraft engines

Product Range	Description	Specifications
<b>Brayco® 589</b>	Corrosion preventative oil for gas turbines using synthetic lubricants	MIL-PRF-8188E
<b>Brayco® 599</b>	Concentrate product for addition into MIL-PRF-23699 lubricants	GE D50TF6-S1

## Greases

Synthetic-based

Product Range	Description	Specifications
<b>Braycote® 444</b>	Extended life grease	BMS 3-34A
<b>Braycote® 610</b>	General purpose grease	MIL-PRF-10924H
<b>Braycote® 868</b>	Molybdenum disulfide anti-seize compound	MIL-DTL-25681F
<b>Braycote® 3214</b>	Multi-purpose, high temperature, full synthetic grease	MIL-PRF-32014B, BMS 3-43

Perfluoroether-based

Product Range	Description	Specifications
<b>Braycote® 806</b>	Wide temperature range, chemically inert, LOX/GOX compatible	MIL-PRF-27617G, Type III
<b>Braycote® 804</b>	Wide temperature range, chemically inert, LOX/GOX compatible	MIL-PRF-27617G, Type III

## Turbine Oils

Product Range	Description	Specifications
<b>Aero J5</b>	5 cSt corrosion-inhibiting synthetic gas turbine oil	MIL-PRF-23699G (C/I)
<b>Brayco® 460</b>	Petroleum-based turbine oil	MIL-PRF-6081E, Gr 1010

## Hydraulic Fluids

Petroleum-based

Product Range	Description	Specifications
<b>Brayco® 717</b>	Power transmission fluid for hydraulic drives	MIL-PRF-17111E
<b>Brayco® 795</b>	Low viscosity hydraulic fluid	NA
<b>Brayco® Micronic 756</b>	Aircraft hydraulic fluid (red)	MIL-PRF-5606K
<b>Brayco® Micronic 776RP</b>	Medium viscosity hydraulic fluid	NA
<b>Brayco® Micronic 783</b>	Amber, soft, transparent, grease-like film	MIL-PRF-6083G
<b>Aero 35 Yellow</b>	High-quality, mineral-based landing gear shock strut fluid	BMS 3-32D, Type I
<b>Aero 40 Range</b>	High-quality, mineral-based landing gear shock strut fluid	BMS 3-32D, Type II

Synthetic-based

Product Range	Description	Specifications
<b>Brayco® Micronic 881</b>	Synthetic hydrocarbon base fluid, fire-resistant	MIL-PRF-87257F
<b>Brayco® Micronic 882</b>	Hydraulic fluid, fire-resistant	MIL-PRF-83282D, Amd 1
<b>Brayco® Micronic 883</b>	Hydraulic fluid, fire-resistant	MIL-PRF-46170E

## Specialty fluids

Product Range	Description	Specifications
<b>Braycote® 646</b>	646 Lubricant Semi-Fluid, (Automatic Weapons)	MIL-L-46000D
<b>Braycote® 650</b>	Lubricant, Semi-Fluid (High-Load Carrying Capacity)	MIL-L-46150
<b>Brayco® 855</b>	Lubricating Oil (Weapons, Low Temperature)	MIL-PRF-14107D
<b>Brayco® 885</b>	Diester-based, low volatility aircraft instrument fluid	MIL-PRF-6085F
<b>Brayco® Micronic 889</b>	Synthetic hydrocarbon heat transfer/dielectric coolant	MIL-PRF-87252G
<b>Brayco® 922</b>	Calibrating fluid for aircraft fuel system components	MIL-PRF-7024G, Type II

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