



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.

castrol.com/aviation-us



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

For aircraft engines

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

Greases

Synthetic-based

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

Perfluoroether-based

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

Turbine Oils

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

Hydraulic Fluids

Petroleum-based

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

Synthetic-based

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

Specialty fluids

Product Range	Description	Specifications
Braycote® 646	646 Lubricant Semi-Fluid, (Automatic Weapons)	MIL-L-46000D
Braycote® 650	Lubricant, Semi-Fluid (High-Load Carrying Capacity)	MIL-L-46150
Brayco® 855	Lubricating Oil (Weapons, Low Temperature)	MIL-PRF-14107D
Brayco® 885	Diester-based, low volatility aircraft instrument fluid	MIL-PRF-6085F
Brayco® Micronic 889	Synthetic hydrocarbon heat transfer/dielectric coolant	MIL-PRF-87257F
Brayco® 922	Calibrating fluid for aircraft fuel system components	MIL-PRF-7024G, Type II