

WINNING PERFORMANCE WITH AVIATION SPECIALTY PRODUCTS



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IT'S MORE THAN JUST OIL. IT'S LIQUID ENGINEERING.® 

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THE EXPERTS IN AVIATION LUBRICANT TECHNOLOGY



CASTROL® BRINGS YOU A COMPREHENSIVE RANGE OF WORLD-CLASS LUBRICANTS AND PRODUCT SUPPORT SERVICES TO MEET THE DEMANDS OF THE AVIATION INDUSTRY

The world of aviation encompasses a wide range of applications, including airframe assemblies, landing gear systems, shock struts, avionics and propulsion systems that all require lubrication.

At Castrol, we understand these applications demand rigorous safety and reliability – and we can help meet those demands with our quality performance and lubricants. Castrol products have an impressive record of delivering high performance in critical environments for almost a century. For example, the top-secret SR-71 Blackbird used Brayco® hydraulic fluids. Castrol's synthetic turbine oil also provided lubrication for the world's first supersonic land vehicle, the ThrustSSC.

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

The Castrol Aviation Specialty Product range covers an array of applications, such as corrosion preventives, greases, hydraulic fluids, turbine oils and calibration fluids. Castrol was the first to successfully lubricate a jet engine, the first to develop a corrosion inhibited jet turbine oil, the first to lubricate a cabin supercharger and would like to be the first to meet your application needs.

CORROSION PREVENTIVES

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
Braycote® 248	Amber, soft, transparent, grease-like film	MIL-C-11796C, Class 3

FOR AIRCRAFT ENGINES

PRODUCT RANGE	DESCRIPTION	SPECIFICATIONS
Brayco® 589	Corrosion preventive oil for gas turbines using synthetic lubricants	MIL-PRF-8188D
Brayco® 599	Concentrate product for addition into MIL-PRF-23699 lubricants	GE D50TF6-S2 Honeywell AS907-1-1A, Honeywell AS907-2-1A, Honeywell AS9072-1G Honeywell AS907-3-1E

HYDRAULIC FLUIDS

PETROLEUM-BASED

PRODUCT RANGE	DESCRIPTION	SPECIFICATIONS
Brayco® 717	Power transmission fluid for hydraulic drives	Meets the requirements of MIL-DTL-17111E
Brayco® 795	Low viscosity hydraulic fluid	N/A
Brayco® Micronic 756	Aircraft hydraulic fluid (red)	MIL-PRF-5606H
Brayco® Micronic 776RP	Medium viscosity hydraulic fluid	N/A
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 3-32C, Type I
Aero 40	High-quality, mineral-based landing gear shock strut fluid	BMS 3-32C, Type II
Aero 40 Red	High-quality, mineral-based landing gear shock strut fluid	DPM 6176

SYNTHETIC-BASED

PRODUCT RANGE	DESCRIPTION	SPECIFICATIONS
Brayco® Micronic 881	Synthetic hydrocarbon base fluid, fire-resistant	MIL-PRF-87257B
Brayco® Micronic 882	Hydraulic fluid, fire-resistant	MIL-PRF-83282D, Amd 1
Brayco® Micronic 883	Hydraulic fluid, fire-resistant	MIL-PRF-46170E

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-25681E
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

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

SPECIALITY FLUIDS

FOR AIRCRAFT ENGINES

PRODUCT RANGE	DESCRIPTION	SPECIFICATIONS
Braycote® 646	Lubricant Semi-Fluid, (Automatic Weapons)	MIL-L-46000C
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-6085E
Brayco® Micronic 889	Synthetic hydrocarbon heat transfer/dielectric coolant	MIL-PRF-87252D
Brayco® 922	Calibrating fluid for aircraft fuel system components	MIL-PRF-7024F, Type II

QUALITY AND RELIABILITY FROM START TO FINISH