AERO-WIPE™
ONE WIPE IS ALL IT TAKES!

Aero-Wipe™ FKAW5606

MIL-PRF-5606H Hydraulic Fluid Wipe Kit

Aero-Wipe FKAW5606 is a 100% cotton wiper pre-saturated with a MIL-PRF-5606H compliant mineral-based hydraulic oil, manufactured to a very high level of cleanliness with enhanced fluid properties. By specification the fluid is dyed red and contains additives that provide excellent low-temperature fluidity together with exceptional anti-wear, oxidation and corrosion inhibition, and shear stability. Metal deactivators and foam inhibitors are also included in this high-viscosity-index fluid to enhance performance in hydraulic applications.

Aero-Wipe FKAW5606 is intended for use in the cleaning and maintenance of landing gear strut systems, braking systems and actuating systems that employ MIL-PRF-5606H hydraulic fluid as part of their system design. The wipe may also be used for the maintenance and cleaning of ester-based hydraulic systems with synthetic sealing components exposed to the environment, including landing gear door actuators, landing gear axles, wheel bearings, and aircraft wheel assemblies.

FEATURES & BENEFITS	
Military & commercially approved	Excellent chemical & oxidation stability
High viscosity index	Resists acidic formations
Excellent low-temperature properties	Meets the “Super-Clean” requirements of MIL-PRF-5606H

GENERAL PROPERTIES

Property	Method	MIL-PRF-5606H	Typical (US)	Typical (EU)
Oil Type	—	Mineral	Mineral	Mineral
Kinematic Viscosity @ 100 °C (mm²/s)	ASTM D445	4.90 min	6.13	5.30
Kinematic Viscosity @ 40 °C (mm²/s)	ASTM D445	13.2 min	15.68	14.1
Kinematic Viscosity @ -40 °C (mm²/s)	ASTM D445	600 max	384	491
Kinematic Viscosity @ -54 °C (mm²/s)	ASTM D445	2500 max	1450	2300
Viscosity Index	ASTM D2270	—	214	> 200
Flash Point, PMCC (°C)	ASTM D93	82 min	104	105
Auto-Ignition Temperature (°C)	—	—	230	230
Pour Point (°C)	ASTM D97	-60 max	-60	-60
Total Acid Number (mg KOH/g)	ASTM D664	0.20 max	0	0.01
Evaporation Loss, 6 hr @ 71 °C (%m)	ASTM D972	20 max	16.5	10

The information herein is believed to be accurate. No warranty, express or implied, is given. Refer to the SDS for safety and handling guidance.

Property	Method	MIL-PRF-5606H	Typical (US)	Typical (EU)
Water Content (ppm)	ASTM D6304	100 max	55	< 100
Relative Density @ 15.6 / 15.6 °C	ASTM D1298	Report	0.874	0.87
Color	Visual	Red	Red	Red
Particulate Contamination 5–15 µm (per 100 mL)	—	10000 max	1200	808
Particulate Contamination 15–25 µm (per 100 mL)	—	1000 max	550	116

GENERAL EFFECTIVITY

Lubrication of exposed landing gear oleos & actuating systems	Cleaning of exposed landing gear oleos & actuating systems

COMPATIBILITY

No known harmful interactions with commercial equipment, surfaces or components.

Plastics & metals	Synthetic rubbers
Seals & packings	Natural rubbers

APPLICATION / CLEANING PROCESS

Manual Application	Open the Aero-Wipe Kit master envelope and remove the wipe pouch and glove pouch.
	Remove the gloves from their transparent zip-seal envelope and don both gloves.
	Open the chemical-resistant wipe envelope and remove the pre-saturated wipe.
	Unfold the wipe and apply to the target surface as required for the application.
	Discard used wipes and gloves in accordance with local waste-handling regulations.

ENVIRONMENTAL & REGULATORY

Refer to the product Safety Data Sheet (SDS) for full environmental, regulatory, disposal and safety information.

APPROVALS, TESTING & CONFORMITY

MIL-PRF-5606H — General Approvals	Approved for all commercial & military aircraft applications requiring MIL-PRF-5606H

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Wipe Substrate Conformity	AMS 3819D, Class 2, Grade A, Form 1 — Asahi Kasei / Ozu Corporation (Bemcot C of C for A-100 product)
Wipe Approvals	Boeing BMS 15-5G, Class A
Glove Conformity	EN 374 (nitrile, black)

PACKAGING & SHELF LIFE

Aero-Wipe Kit Packaging	Aluminized vacuum-sealed master envelope
	Chemical-resistant vacuum-sealed wipe envelope
	Transparent zip-seal glove envelope
Shelf Life – Saturating Fluid	As printed on the reverse side of the master envelope
Shelf Life – Wipe Substrate	No expiration (when stored sealed under ambient conditions)
Shelf Life – Nitrile Gloves	No expiration (when stored sealed under ambient conditions)

DISPOSAL & SAFETY

Contact your local environmental services provider for proper disposal in accordance with applicable regulations. Refer to the product Safety Data Sheet (SDS) for full handling, storage, transport and disposal information.

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