



AEROSPACE PRODUCTS: OILS

Synthetic oils for aerospace applications are designed for extreme conditions where long life is critical for the success of the mission.





Aerospace Products: Oils

NYE'S CORE RANGE OF SYNTHETIC OILS FOR AEROSPACE APPLICATIONS.



Custom formulated oils:
Nye has a wide range of additives allowing us to custom formulate our products for any demanding application.

Product Name	Temperature Range (°C)	Base Oil Chemistry	Pour Point (°C)	Viscosity Index	Base Oil Viscosity ASTM D-445 (cSt)			Evaporation CTM-1 (24 hrs, 100°C)	Vacuum Stability ASTM E-595 (125°C) (wt%)		Vapor Pressure Knudsen (25°C)	Density (g/cc ⁻³)	SRV Coefficient of Friction & Wear ASTM D-5707 (100N, 50Hz, 1mm stroke, 2 hrs, 40°C)		4-Ball Wear ASTM D-2266 (60 min, 1200RPM, 40 kg load)	Microscopic Particulate Contamination TEST-STD-CC-1246D
					100°C	40°C	-40°C		TML	CVCM			CoF	Wear Scar		
Synthetic Oil 1001A	-50 to 150	Cyclopentane	-63	140	9	53	26,070	0.02%	TBD	TBD	TBD	0.85	0.163	0.62 mm	0.74 mm	Level 50
Synthetic Oil 1001	-50 to 125	Cyclopentane	-59	130	8	53	24,910	0.06%	2.234	1.064	TBD	0.85	0.112	0.44 mm	0.69 mm	Level 50
Synthetic Oil 1001-3PB	-50 to 125	Cyclopentane	-59	130	8	53	24,910	TBD	TBD	TBD	TBD	0.85	TBD	TBD	TBD	Level 50
Synthetic Oil 2001A	-45 to 125	Cyclopentane	-55	137	15	108	80,500	0.00%	0.125	0.013	TBD	0.84	0.197	0.80 mm	0.66 mm	Level 100
Synthetic Oil 2001	-45 to 125	Cyclopentane	-55	137	14	107	80,494	0.04%	1.390	0.700	TBD	0.84	0.114	0.43 mm	0.34 mm	Level 50
Synthetic Oil 2001-3PB	-45 to 125	Cyclopentane	-55	137	15	108	80,500	0.10%	0.338	0.293	TBD	0.86	0.113	0.48 mm	0.48 mm	Level 50
Synthetic Oil 2001B	-45 to 125	Cyclopentane	-55	137	15	108	80,500	0.10%	0.940	0.574	TBD	0.86	0.115	0.43 mm	0.35 mm	Level 50
Synthetic Oil 3001A	-10 to 125	Cyclopentane	-27	227	202	2082	Below Pour Point	0.00%	0.370	0.000	TBD	0.84	0.113	0.47 mm	0.85 mm	Level 50
NyeTorr® 6201	-45 to 150	Cyclopentane	-55	137	15	108	80,500	0.00%	0.110	0.010	1.4 x 10 ⁻⁸ Torr	0.84	0.180	0.80 mm	0.58 mm	Level 50
NyeTorr® 6301	-75 to 250	PFPE	-80	346	56	187	5,818	0.00%	0.003	0.002	TBD	1.83	0.081	0.84 mm	1.75 mm	Level 25



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ISO 9001:2008
ISO 13485:2003
ISO 14001:2004
ISO/TS-16949:2009

