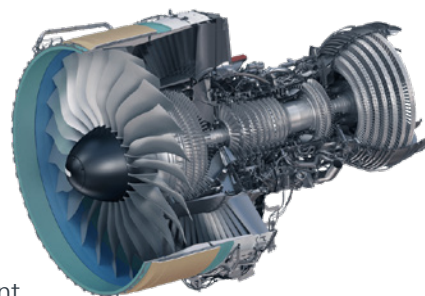


APPLICATION GUIDE

ChipCHECK - GP7000

The ChipCHECK alloy naming convention follows SAE standards which may differ from the Manual. This application guide is a cross reference between the ChipCHECK report and the GP7000. This application guide is only applicable to ChipCHECKs with Material Library A027243 Rev C or equivalent. Please contact support@gastops.com to confirm unit compliance.



	ChipCHECK	GP7000
Fe Base	1010	1010
	8740	AMS 6322 w/coating
	4130 / 52100*	52100 or AMS 6444 or AMS 6378 or MS 10.25
	15CDV6 (AIR)	N/A to this engine type
	4340	PW A725 or AMS 6414 or AMS 6415 w/plating per AMS 2412
	32CDV13 (AIR) / 30CD12 (AIR) / S-7 (AISI)	ASTM A681 (S-7)
	Nitralloy 135 Mod	N/A to this engine type
	9310	AMS 6265
	35NCD16 (AIR)	N/A to this engine type
	Nitralloy N	N/A to this engine type
	H-13	ASTM A681 (H-13)
	6308	N/A to this engine type
	M50	M50 or AMS 6491
	400 Series	410SST, AMS 5504, AMS 5613, AMS 5621, AMS 5619
	M50 Nil	M50 NIL
	Jethete M152 (P)	N/A to this engine type
	15-5PH / 17-4PH	AMS 5659
	AM-350	N/A to this engine type
	17-7 PH	N/A to this engine type
	300 Series	AMS 5511 or AMS 5646 or AMS 5516 or AMS 5362 or AMS 5688 or AMS 5645 or AMS 5510
Al Base	Maraging 250 (P)	N/A to this engine type
	Alloy No. 42 (P)	N/A to this engine type
	A286	AMS 5732 or AMS 5525 or AMS 7477
	ALNICO 5 (P)	N/A to this engine type
	6061	AMS 4117 w/coating or AMS 4146
Ni Base	2024	Al (2024-T351) or AMS 4120 / T351
	2219	AMS 4144
	2618	N/A to this engine type
	C355.0 / 356.0 / 357.0	AMS 4215
	7075	N/A to this engine type
Ti Base	Waspalloy	AMS 5709
	Inconel 718	Inconel 718, AMS 5662
	Hastelloy X	N/A to this engine type
	Inconel 625	Inconel 625
	Inconel X750	AMS 5671
Cu Base	Nickel	N/A to this engine type
	Ti 6-4	AMS 4928 w/coating or AMS 4928
Co Base	Ti 6-2-4-6	AMS 4981
	Copper	N/A to this engine type
Ag Base	CDA443 (CDA)	N/A to this engine type
	L-605	N/A to this engine type
	Elgiloy	N/A to this engine type
	Silver	Silver plating

*Please send suspect debris to laboratory or contact Gastops Customer Support to confirm the presence of 52100.

Disclaimer: The analyzed wear debris is reported by ChipCHECK as the nearest matched alloy classification per ASTM D8182-18. Any analyzed wear debris that could not be classified by ChipCHECK is reported as "Unclassified". Note that unclassified results do not necessarily constitute that the sample is in absence of the materials included in the configured material library. An unclassified result may be due to an inadequate spectra collected from the particles, which can be mitigated by following the procedures outlined in the user manual. All results reported by ChipCHECK are subject to the proper use, operation, and maintenance of the device in compliance with the defined requirements in user manual C009802.