

## APPLICATION GUIDE

# ChipCHECK - CFM56

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 CFM56.



	ChipCHECK	CFM56
Fe Base	1010	N/A to this engine type
	8740	AISI 8620 (20NCD2)
	4130 / 52100	AISI 4130 (30CD4) or AISI 4140H (40CD4) or AMS 6450
	15CDV6 (AIR)	VASCOJET90 (15CDV6)
	4340	AISI 4340 (E-40NCD7) or 4340 STEEL (40NCD7)
	32CDV13 (AIR) / 30CD12 (AIR) / S-7 (AISI)	GK3 (30CD12) or GH4 (40CDV12) or CH4 (E40CDV12) or 32CDV13
	Nitralloy 135 Mod	N/A to this engine type
	9310	AISI 9315 (16NCD13) or 9310 STEEL (16NCD13) or 30NCD16 or SAE 3316 (12NC12)
	35NCD16 (AIR)	35NCD16
	Nitralloy N	N/A to this engine type
	H-13	E-Z20WC10 RBD MODIFIED or RBD MODIFIED (Z20WC10)
	6308	N/A to this engine type
	M50	M50 (E-80DCV40)
	400 Series	AISI 410 (Z12C13) or Z180CDW13 or Z15CN17
	M50Nil	M50Nil (13DCNV40)
	Jethete M152 (P)	JETHETE M152 (Z12CNDV12)
	15-5PH / 17-4PH	17-4PH (Z5CNU17)
	AM-350	N/A to this engine type
	17-7 PH	N/A to this engine type
	300 Series	AISI 321 (Z6CNT18) or AMS 5519 or AMS 5516 or Z12CN18
Maraging 250 (P)	Maraging 250 (Z2NKDT 18-8-5) or Maraging 300 (Z2NKDT 18-9-5)	
Alloy No. 42 (P)	N/A to this engine type	
A286	A286 Modified (Z3NCT25) or A286 (Z6NCT25) or AMS 5737 (Z6NCT25) or AMS 5525	
ALNICO 5 (P)	ALNICO5	
Al Base	6061	N/A to this engine type
	2024	N/A to this engine type
	2219	N/A to this engine type
	2618	2618A (AU2GN)
	C355.0 / 356.0 / 357.0	A357 (AS7G06) or AA357 (AS7G06)
	7075	N/A to this engine type
Ni Base	Waspalloy	N/A to this engine type
	Inconel 718	INCO 718 (NC19FeNb)
	Hastelloy X	Hastelloy-X
	Inconel 625	N/A to this engine type
	Inconel X750	N/A to this engine type
Ti Base	Nickel	N/A to this engine type
	Ti 6-4	TA6V or TITANIUM (TA6V)
Cu Base	Ti 6-2-4-6	N/A to this engine type
	Copper	UA10N BRONZO ALUMINUM NC4 or BRONZE SILICIUM (US3ZFe) or UE9P
Co Base	CDA443 (CDA)	N/A to this engine type
	L-605	N/A to this engine type
Ag Base	Elgiloy	N/A to this engine type
	Silver	Silver, Ag

If you have any questions, please contact [support@gastops.com](mailto:support@gastops.com)

**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.