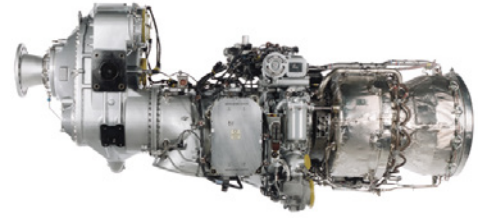


## APPLICATION GUIDE

# ChipCHECK - PW150A

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 PW150A.



	ChipCHECK	PW150A
Fe Base	1010	AMS 5112, AMS 5115, AMS 5121, ASTM A536, SAE 1065, SAE 1075, SAE 1096
	8740	AMS 6322, AMS 6323
	4130 / 52100	AMS 6440, AMS 6444, ASTM A295, AMS 6378
	15CDV6 (AIR)	AMS 6304, CPW 245
	4340	AMS 6414, AMS 6415, AMS 5029, AMS 6359
	32CDV13 (AIR) / 30CD12 (AIR) / S-7 (AISI)	N/A to this engine type
	Nitralloy 135 Mod	AMS 6470
	9310	AMS 6265, AMS 6263
	35NCD16 (AIR)	N/A to this engine type
	Nitralloy N	N/A to this engine type
	H-13	N/A to this engine type
	6308	AMS 6308
	M50	AMS 6491, CPW378
	400 Series	AMS 5504, AMS 5610, AMS 5613, AMS 5620, AMS 5621, AMS 5622, AMS 5630, AMS 5631, AMS 5632
	M50 Nil	N/A to this engine type
	Jethete M152 (P)	N/A to this engine type
	15-5PH /17-4PH	AMS 5643
	AM-350	AMS 5548
	17-7 PH	AISI 632, AMS 5520, AMS 5529, AMS 5678
	300 Series	AMS 5510, AMS 5512, AMS 5513, AMS 5645, AMS 5688, AMS 5689, AMS 5697, AMS 7228, AMS 7245, Mil-S 5059
Maraging 250 (P)	N/A to this engine type	
Alloy No. 42 (P)	N/A to this engine type	
A286	AMS 5525, AMS 5731, AMS 5732, AS7482	
ALNICO 5 (P)	N/A to this engine type	
Al Base	6061	AMS 4006, AMS 4117, AMS 4150
	2024	AMS 4119, AMS 4120, AMS 4133, AMS 4152, AMS 4153, BS-L168
	2219	N/A to this engine type
	2618	N/A to this engine type
	C355.0 / 356.0 / 357.0	AMS 4215, AMS 4219, AMS 4260
	7075	N/A to this engine type
Ni Base	Waspaloy	N/A to this engine type
	Inconel 718	AMS 5596, AMS 5663, AMS 5662
	Hastelloy X	N/A to this engine type
	Inconel 625	AMS 5581, AMS 5599, AMS 5666
	Inconel X750	AMS 5540, AMS 5542, AMS 5582, AMS 5598, AMS 5668, AMS 5699
	Nickel	AMS 4544, AMS 4674, AMS 4675, AMS 4730, AMS 5553, AMS 4777
Ti Base	Ti 6-4	AMS 4911, AMS 4928, AMS 4943, AMS 4967, CPW41
	Ti 6-2-4-6	AMS 4975, AMS 4976
Cu Base	Copper	AMS 4616, ASTM B139
	CDA443 (CDA)	N/A to this engine type
Co Base	L-605	N/A to this engine type
	Elgiloy	N/A to this engine type
Ag Base	Silver	N/A to this engine type

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.