

APPLICATION GUIDE

ChipCHECK - LEAP - 1A/B

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 LEAP.



	ChipCHECK	LEAP - 1A/B
Fe Base	1010	N/A to this engine type
	8740	N/A to this engine type
	4130 / 52100	AMS 7210 or AISI 52100 (100Cr6)
	15CDV6 (AIR)	VASCOJET90 (15CDV6 / 15CrMoV6)
	4340	AISI 4340 (E-40NCD7 / 40NiCrMo7)* or AMS 6414
	32CDV13 (AIR) / 30CD12 (AIR) / S-7 (AISI)	30CD12 (GK3) or 32CDV13 or 40CDV12 (GH4)
	Nitralloy 135 Mod	N/A to this engine type
	9310	AISI 9315 (16NCD13 / 16NiCrMo13) or AISI 9310 or AMS 6265 or 30NCD16
	35NCD16 (AIR)	35NCD16
	Nitralloy N	N/A to this engine type
	H-13	EZ20WC10 RBD MODIFIED
	6308	N/A to this engine type
	M50	AISI M50 (E-80DCV40 / 80MoCrV42-16)*
	400 Series	AISI 410 (Z12C13) or 410SS (Z10C13) or Z180CDW13 or Z15CN17 or 440C SS (Z100CD17)
	M50Nil	M50Nil (E-13DCNV40)*
	Jethete M152 (P)	JETHETE M152 (Z12CNDV12)
	15-5PH / 17-4PH	15-5 PH or 17-4 PH or AISI 630 (Z7CNU16.04) or AMS 5643
	AM-350	N/A to this engine type
	17-7 PH	17-7 PH
300 Series	301 SS or 302 SS or 347 SS or AISI 321 (Z6CNT18) or AISI 301 (X10CrNi18-8) or AMS 5519/5516	
Maraging 250 (P)	Maraging 250 (Z2NKD18-8-5)	
Alloy No. 42 (P)	N/A to this engine type	
A286	Z6NCT25 or Z3NCT25 (A286 MODIFIED)	
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	AU2GN
	C355.0 / 356.0 / 357.0	AS7G06 (AA357)
7075	N/A to this engine type	
Ni Base	Waspalloy	WASPALLOY (Nickel Superalloy)
	Inconel 718	INCONEL 718 (NiCr19FeNb / 19Nb5Mo3) or NC19FeNb (INCO718)
	Hastelloy X	HASTELLOY X (NC22FeD)
	Inconel 625	INCONEL 625
	Inconel X750	N/A to this engine type
Nickel	N/A to this engine type	
Ti Base	Ti 6-4	TI 6-4 or TA6V
	Ti 6-2-4-6	N/A to this engine type
Cu Base	Copper	UAION BRONZO ALUMINIUM (NC4) or UE9P or AMS 7310
	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	Silver

*Bearing Material

If you have any questions, please contact 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.