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. Reference: NDTM Part 9 - LEAP-00-70-30-05-02A-371B-D issue 004

	ChipCHECK	LEAP - 1A/B
Fe Base	1010	N/A to this engine type
	8740	N/A to this engine type
	4130	N/A to this engine type
	52100	AISI 52100 (100Cr6)°
	15CDV6 (AIR)[1]	VASCOJET90 (15CDV6 / 15CrMoV6)
	4340	AISI 4340 (E-40NCD7 / 40NiCrMo7)* or AMS 6414*
	32CDV13 (AIR) / 30CD12 (AIR) / S-7 (AISI)[2]	30CD12 (GK3) or 32CDV13* or 40CDV12 (GH4)
	Nitralloy 135 Mod	N/A to this engine type
	9310[3]	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	NA to this engine type
	6308	N/A to this engine type
	M50	AISI M50 (E-80DCV40 / 80MoCrV42-16)*
	400 Series[3]	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[3]	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[3]	301 SS or 302 SS or 347 SS or AISI 321 (Z6CNT18) or AISI 301 (X10CrNi18-8) or AMS 5519/5516 or AMS 7210
	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[3]	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[4]	Silver
Unclassified		Non-metallic or metallics other than Fe, Ni, Al, Ti, Cu, Ag, Co

°Starter Bearing Material
*Bearing Material
[1]Material chemical weight percentage is close to a bearing material. Confirm chemical weight percentage with NDTM Part 9 for proper disposition.
[2]Material needs to be sent to an approved laboratory for confirmation of bearing material.
[3]To distinguish between grouped materials, refer to chemical weight percentage and NDTM Part 9.
[4]If silver is magnetic, send to an approved laboratory for confirmation of magnetic nature.

Material and size are not the only criteria; consideration of the shape, engine parameters (oil delta pressure, oil consumption, vibration, engine maintenance history, chips count evolution) must be taken into account to provide accurate final recommendation according to AMM.

If you have any questions, please contact support@gastops.com

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