

INGEAR

INGEAR lubricants are premium quality extreme pressure gear oils for use in enclosed gear boxes in industrial applications and may also be used for plain bearings where high loadings or stresses are encountered.

INGEAR products contain anti-corrosion additives that prevent problems arising from the entry of water through air vents particularly in high humidity conditions.

Anti-oxidant additives substantially control the effects of high thermal loading that is encountered in enclosed gear boxes. INGEAR demulsifies quickly preventing the carryover of water and the formation of emulsions, thus giving longer lubricant and gear component life.

Product Benefits:

- Outstanding gear protection against shock-loading
- Good water separation and demulsification
- Exceptional protection against wear and corrosion
- Minimum deposit formation

Performance Claims:

ISO: 1295-1 CKC/CKD

DIN: 51517 Part 3

US Steel: 224

David Brown: S1.53.101 Type E

TYPICAL PROPERTIES

	INGEAR 68	INGEAR 100	INGEAR 150	INGEAR 220	INGEAR 320	INGEAR 460	INGEAR 680
ISO Viscosity Grade	68	100	150	220	320	460	680
AGMA Number	2EP	3EP	4EP	5EP	6EP	7EP	8EP
Density @ 15°C	0.88	0.89	0.89	0.89	0.90	0.90	0.91
Viscosity @ 40°C (cSt)	61.2-74.8	90-110	135-165	198-242	288-352	414-506	612-748
Viscosity @ 100°C (cSt)	9.2	12.2	15.7	19.3	24.7	29.6	39.3
Viscosity Index	95-100	95-100	95-100	95-100	95-100	95-100	95-100
Pour Point (°C)	-26	-26	-26	-23	-17	-11	-8
Open Flash Point (°C)	220	230	240	250	260	270	280
Copper Corrosion (3h @100°C)	1b	1b	1b	1b	1b	1b	1b
Timken OK Load (lbs)	N/A	N/A	N/A	65	65	65	65
4-Ball Weld Load (min Kg)	N/A	N/A	315	315	315	315	N/A
Foam Sequence I- Tendency/Stability (ml/ml)	N/A	10/0	10/0	10/0	10/0	10/0	10/0
FZG Scuffing Load Test A/8.3/90	N/A	>12	>12	>12	>12	>12	>12
FZG Micropitting Test @ 90°C (FVA 54/7) First Stepwise Phase, LS GF Class	N/A	>10 High	>10 High	>10 High	>10 High	>10 High	>10 High

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