



YOKOHAMA / GEARBOX

INDUSTRIAL GEAR OILS

TECHNICAL DATA SHEET | TDS

EP / CLP | ISO VG 68 / 100 / 150 / 220 / 320

PRODUCT DESCRIPTION

YOKOHAMA GEARBOX is a series of industrial gear lubricants based on conventional mineral oil technology and an extreme-pressure (EP) additive system. Designed for enclosed gear drives operating under substantial mechanical loads, the range supports load carrying capacity and protective oil-film formation on gear teeth and bearings. Its lubricant characteristics aim to manage wear, oxidation, rust and corrosion, while water separation and foam control help maintain dependable splash and circulating lubrication.

APPLICATIONS

Developed for enclosed spur, helical and bevel gearboxes with EP/CLP-type lubricant requirements. Typical duties include industrial reducers in cement production, steel processing, mining, paper mills, conveyors and crushers. Compatible bearings and ancillary components may share the same oil circuit. Selection among ISO VG 68, 100, 150, 220 and 320 depends on gear speed, load and normal bulk operating temperature.

PERFORMANCE SPECIFICATIONS

DIN 51517-3 CLP	AIST 224
ISO 12925-1 CKC / CKD	DAVID BROWN S1.53.101(E)
AGMA 9005-E02 EP	

TYPICAL TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	TYPICAL VALUE				
		VG 68	VG 100	VG 150	VG 220	VG 320
Kinematic Viscosity at 40°C (mm²/s)	ISO 3104	68.00	100.00	150.00	220.00	320.00
Kinematic Viscosity at 100°C (mm²/s)	ISO 3104	8.70	11.40	15.00	19.40	25.00
Viscosity Index	ISO 2909	99	100	100	100	100
Density at 15°C (kg/m³)	ISO 12185	887	891	897	899	903
Flash Point (COC) (°C)	ISO 2592	236	240	240	240	255
Pour Point (°C)	ISO 3016	-24	-24	-24	-18	-15

Note: The values shown in this table are typical values and do not constitute product specifications. Minor variations may occur between production batches due to normal manufacturing tolerances.