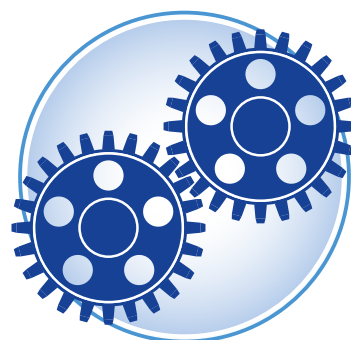


# Epona Z 68

Mineral oils for enclosed gears.



APPLICATIONS
Enclosed gears, bearings, couplings.
Bevel and spur gears.
Bearings and gear couplings.
Worm gears.

FEATURES AND BENEFITS
Epona Z 68 has been specially designed for lubricating enclosed gears operating under severe conditions.
Excellent extreme-pressure and anti-wear properties ensuring micro pitting protection.
Excellent seal compatibility.

SPECIFICATIONS AND APPROVALS			
✓	DIN 51517/3 - CLP	✓	KTE (Thrusters)
✓	ISO 12925-1 CKD/CKSMP	✓	Nakashima (Thrusters)
✓	AGMA 9005 – F16 Antiscuffing	✓	Kongsberg Maritime (Tunnel Thrusters)
✓	JIS K 2219:2006 (Class 2)	✓	Brunvoll (Tunnel & Azimut Thrusters)
✓	David Brown S1.53.101 E	✓	Schottel (Propellers and Thrusters)

TECHNICAL DATA : EPONA Z 68			
CHARACTERISTICS	METHODS	UNITS	TYPICAL VALUES*
Density at 15°C	ISO 3675	kg/m <sup>3</sup>	875
Viscosity at 40°C	ISO 3104	mm <sup>2</sup> /s	68
Viscosity at 100°C	ISO 3104	mm <sup>2</sup> /s	8.9
Viscosity Index	ISO 2909	–	106
Pour Point	ISO 3016	°C	- 33
Flash Point (OC)	ISO 2592	°C	228
FZG Micropitting	FVA 54	Fail stage	–
FZG A/8.3/90	DIN 51 354/2	Fail stage	14 pass
GFT Class	–	–	–

\*The specifications above are for illustrative purposes and communicated for information only.

## CUSTOMER BENEFITS

✓	Excellent chemical stability and resistance to oxidation, for a long period of running without maintenance.
✓	Outstanding protection to rust and corrosion of copper alloys.
✓	Very good resistance to foaming and emulsion formation.

## GENERAL RECOMMENDATIONS

### COMPATIBILITY

Not compatible with PAG based lubricants.

Please consult your Lubmarine Lubrication Engineer should you have any questions.

### STORAGE

This product should be stored under cover in clean, dry conditions and protected from frost.

Recommended storage temperature range is 5°C to 50°C.

Drums that are stored on deck should be raised on pallets and covered to protect from the elements.

## COMPLIMENTARY PRODUCTS AND SERVICES

✓	LubDiag – Oil Analysis – Laboratory based used oil analysis program.
✓	LubInsight – Suite of onboard testing equipment.
✓	LubSkills – Lubmarine Engineers are on hand at worldwide locations to assist with lubrication concerns.
✓	Lube On Ship – Visualize your lubricants needs aboard Lubmarine's innovative virtual vessel. <a href="http://lubmarine.totalenergies.com/lube-on-ship">lubmarine.totalenergies.com/lube-on-ship</a>

