

# Visga 46

High viscosity index anti-wear  
hydraulic oils.



APPLICATIONS	FEATURES AND BENEFITS
Applications requiring a very low pour point or high viscosity index lubricants.	The Visga range is recommended for all kinds of hydraulic systems operating under high pressure and high temperature.
Steering gear systems.	Lubricants especially suitable for hydraulic systems working under extreme temperature variations and equipment operating outside.
Remote control systems.	Easy start up at low temperature and regular operating in all seasons.
Hydraulic deck machinery.	The Visga range is particularly recommended for all high pressure and high speed, vane, piston and gear type hydraulic pumps.

SPECIFICATIONS AND APPROVALS			
✓ ISO 6743/4 HV	✓	Wärtsilä (Propellers, Thrusters, CPP)	
✓ ISO 11158 HV	✓	Kongsberg (Steering Gears)	
✓ VICKERS M-2950S, -I-286	✓	Nippon Pusnes (Deck Machinery)	
✓ DIN 51524 P3 HVLP	✓	FRAMO (Hydraulic Systems)	
✓ AFNOR NF E 48-603 HV	✓	SMAG (Grabs)	

TECHNICAL DATA : VISGA 46			
CHARACTERISTICS	METHODS	UNITS	TYPICAL VALUES*
ISO Grade	–	–	46
Density at 15°C	ISO 3675	kg/m <sup>3</sup>	876
Kinematic Viscosity at 40°C	ISO 3104	mm <sup>2</sup> /s	48
Kinematic Viscosity at 100°C	ISO 3104	mm <sup>2</sup> /s	8.4
Viscosity Index	ISO 2909	–	> 150
Pour Point	ISO 3016	°C	- 30
Shearing Stability ORBAHN BOSCH-250 cycles viscosity decrease at 40°C	DIN 51382	–	0

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

## CUSTOMER BENEFITS

✓	Superior thermal stability avoiding the formation of sludge even at high temperature.
✓	Good anti-foam and air release properties by using silicon free components.
✓	Good demulsibility ensuring rapid water separation.
✓	Excellent hydrolytic stability avoiding filter blocking.
✓	Remarkable filterability even in the presence of water.
✓	Very good oxidation stability ensuring a long service life of the fluid.

## GENERAL RECOMMENDATIONS

### COMPATIBILITY

Compatibility should be checked.

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>

