

# Visga 68

High viscosity index anti-wear hydraulic oils.



| APPLICATIONS                                                                     |
|----------------------------------------------------------------------------------|
| Applications requiring a very low pour point or high viscosity index lubricants. |
| Steering gear systems.                                                           |
| Remote control systems.                                                          |
| Hydraulic deck machinery.                                                        |

| FEATURES AND BENEFITS                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------|
| The Visga range is recommended for all kinds of hydraulic systems operating under high pressure and high temperature.              |
| Lubricants especially suitable for hydraulic systems working under extreme temperature variations and equipment operating outside. |
| Easy start up at low temperature and regular operating in all seasons.                                                             |
| 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                         | ✓ | Kongsberg (Steering Gears)           |
| ✓                            | ISO 11158 HV                          | ✓ | Hatlapa - MacGregor (Steering Gears) |
| ✓                            | VICKERS M-2950S, -I-286               | ✓ | Flutek (Steering Gear)               |
| ✓                            | DIN 51524 P3 HVLP                     | ✓ | FRAMO (Hydraulic Systems)            |
| ✓                            | AFNOR NF E 48-603 HV                  | ✓ | SMAG (Grabs)                         |
| ✓                            | Wärtsilä (Propellers, Thrusters, CPP) |   |                                      |

| TECHNICAL DATA : VISGA 68                                             |           |                    |                 |
|-----------------------------------------------------------------------|-----------|--------------------|-----------------|
| CHARACTERISTICS                                                       | METHODS   | UNITS              | TYPICAL VALUES* |
| ISO Grade                                                             | –         | –                  | 68              |
| Density at 15°C                                                       | ISO 3675  | kg/m <sup>3</sup>  | 882             |
| Kinematic Viscosity at 40°C                                           | ISO 3104  | mm <sup>2</sup> /s | 71              |
| Kinematic Viscosity at 100°C                                          | ISO 3104  | mm <sup>2</sup> /s | 11.3            |
| Viscosity Index                                                       | ISO 2909  | –                  | > 150           |
| Pour Point                                                            | ISO 3016  | °C                 | - 27            |
| 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.<br><a href="http://lubmarine.totalenergies.com/lube-on-ship">lubmarine.totalenergies.com/lube-on-ship</a> |

