

# PetroNexus Selma HD Circulating Oil

Product reference: GYYY-22

Circulating lubricant offered in viscosity grades 220, 460 and 680.

## PetroNexus Selma HD Circulating Oil

### Product name

PetroNexus Selma HD Circulating Oil

### Viscosity / grade

220, 460, 680

### Product overview

PetroNexus Selma HD is a high-performance, heavy-duty circulating oil designed for the specific requirements of hydrodynamic bearings in Morgan and Danieli rolling mills. It is formulated from high-quality base oils and specialized additives to provide enhanced oil-film strength and antiwear performance. It offers excellent resistance to oxidation and thermal degradation, outstanding wetting properties, rust and corrosion protection, and excellent demulsibility.

### Performance features

1. Excellent oxidation resistance and thermal stability resist deposit and sludge formation even at high temperatures, helping extend lubricant service life.
2. Excellent demulsibility at both high and low temperatures, with performance verified by dynamic demulsibility endurance testing, ensures rapid water separation.
3. Specialized rust and corrosion inhibitors protect a range of metal components even under wet conditions.
4. Outstanding foam control and air release support trouble-free equipment operation.
5. This non-extreme-pressure lubricant provides good corrosion and rust protection at high temperatures.

### Applications

PetroNexus Selma HD Circulating Oil is particularly recommended for lubricating hydrodynamic bearings.

- A multifunctional antiwear circulating lubricant, particularly suitable where the lubricant is contaminated by water.

### Packaging

170 kg drums; IBC containers

### Unsuitable applications

- Not suitable for separate, heavily loaded gearboxes requiring extreme-pressure load-carrying performance. Do not use in internal-combustion engines or in applications involving direct contact with strongly acidic process media.

For grade selection, technical requirements, packaging and commercial terms, contact [sales@petronexusgroup.com](mailto:sales@petronexusgroup.com).

## Product visual and technical data



**PETRONEXUS**

### Salma HD Series

High-Performance Heavy-Duty Circulating Oil

Reliable Lubrication for Demanding Industrial Applications

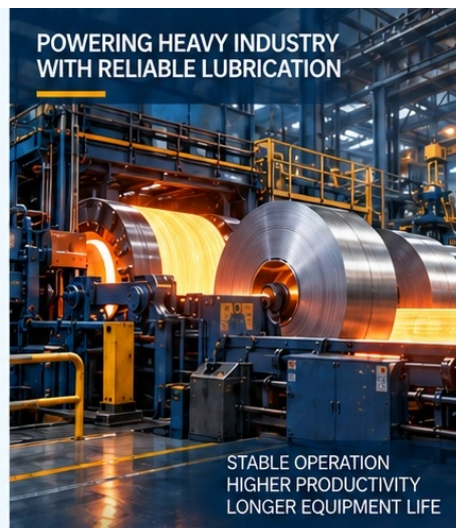
Thermal Stability   Water Separation   Anti-Wear Protection   Stable Operation

VISCOSITY GRADES: 220 / 460 / 680

### PRODUCT PERFORMANCE

-  **Excellent Oxidation and Thermal Stability**  
Maintains long oil life under high-temperature conditions.
-  **Superior Demulsibility at High and Low Temperatures**  
Effective water separation to ensure stable lubrication.
-  **Advanced Rust and Corrosion Inhibitor Technology**  
Helps protect critical components and extends equipment service life.
-  **Outstanding Foam Control and Air Release Properties**  
Minimizes foam and ensures reliable system operation.
-  **Reliable High-Temperature Protection (Non-EP)**  
Provides excellent rust and corrosion protection without extreme pressure additives.

### POWERING HEAVY INDUSTRY WITH RELIABLE LUBRICATION



### PRODUCT DESCRIPTION

Salma HD Series is a range of high-performance heavy-duty circulating oils specifically developed to meet the lubrication requirements of hydrodynamic bearings used in Morgan and Danieli rolling mills.

Formulated with high-quality base oils and specially selected additive packages, the series provides excellent oxidation and thermal stability, superior water separation performance at both high and low temperatures, and reliable rust and corrosion protection.

Its advanced rust and corrosion inhibitor system helps protect critical bearing components, while outstanding foam control and air release properties support stable lubrication performance in demanding circulating oil systems.

Featuring a non-extreme-pressure (non-EP) formulation, Salma HD Series delivers reliable protection at elevated temperatures for heavily loaded hydrodynamic bearings and circulating lubrication systems exposed to water contamination.

### ADVANCED LUBRICATION FOR HEAVY-DUTY PERFORMANCE

STRONGER PROTECTION  
SMOOTHER OPERATION  
A MORE RELIABLE TOMORROW



### APPLICATIONS



#### Hydrodynamic Bearings in Rolling Mills

Recommended for Morgan and Danieli rolling mill equipment, subject to the equipment manufacturer's requirements.



#### Heavy-Duty Circulating Lubrication Systems

Suitable for industrial circulating systems requiring reliable oxidation stability, rust protection and water separation.



#### Applications Subject to Water Contamination

Ideal for systems operating in environments where water contamination is likely.



#### Multipurpose Anti-Wear Circulating Lubrication

Suitable for industrial applications requiring good demulsibility and reliable bearing protection, where non-EP lubricants are specified.

### TYPICAL DATA

| Test Item                         | Test Method | ISO Viscosity Grade |       |       |
|-----------------------------------|-------------|---------------------|-------|-------|
|                                   |             | 220                 | 460   | 680   |
| Kinematic Viscosity @40°C, cSt    | ASTM D445   | 208.2               | 477.2 | 709.4 |
| Viscosity Index                   | ASTM D2270  | 96                  | 96    | 101   |
| Flash Point, °C                   | ASTM D92    | 252                 | 252   | 300   |
| Pour Point, °C                    | ASTM D97    | -27                 | -12   | -6    |
| Density @20°C, kg/l               | ASTM D1298  | 0.879               | 0.889 | 0.891 |
| Demulsibility @82°C, min          | ASTM D1401  | 10                  | 30    | 25    |
| Rotating Bomb Oxidation Test, min | ASTM D2272  | 284                 | 249   | 331   |

The above data are typical values of the current product. Future production data may vary within the allowable range of quality standards. For more information, please contact your sales representative.

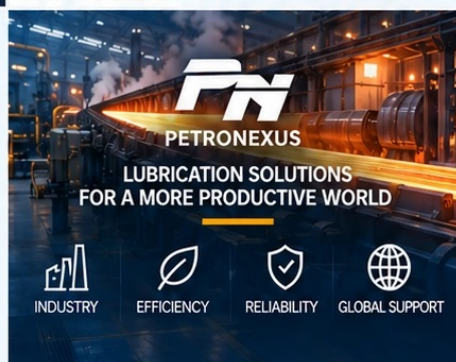
### AVAILABLE PACKAGING



170 kg Drums



IBC Containers



**PETRONEXUS**

LUBRICATION SOLUTIONS FOR A MORE PRODUCTIVE WORLD

INDUSTRY   EFFICIENCY   RELIABILITY   GLOBAL SUPPORT