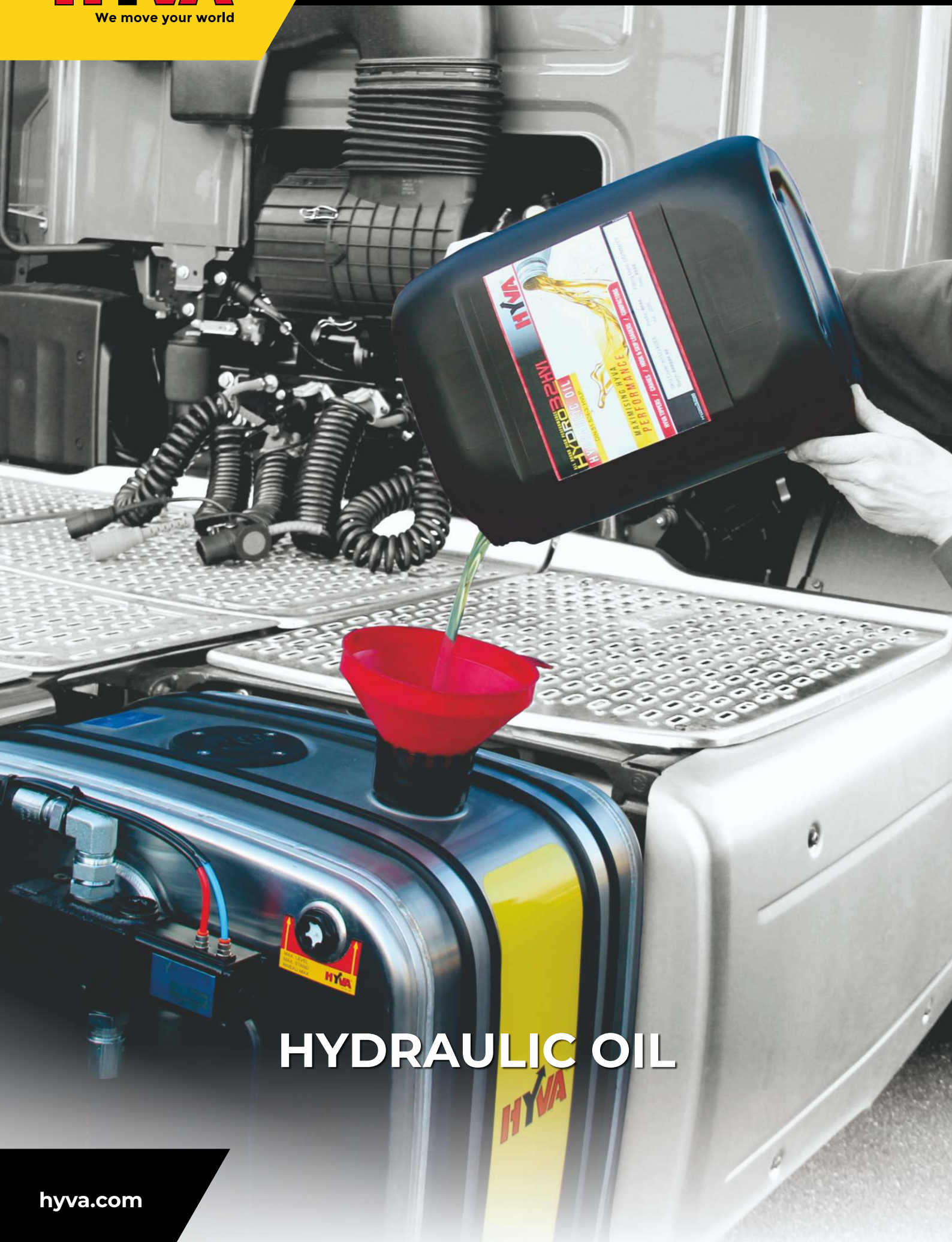




**HYDRAULIC OIL**

# NEW HYDRAULIC OIL

## HIGH PERFORMANCE AND SYSTEM PROTECTION

A new range of hydraulic oils specifically formulated to suit all Hyva products – Tippers, Cranes, Hook- & Skiploaders and Compactors. Specially selected, high quality base oils and additives have been combined to maximise the performance of Hyva equipment. The oils will maintain system protection across a wide range of operating temperatures, and, reduce hydraulic component failures to a minimum.

## FEATURES & BENEFITS

- Optimised protection against wear for enhanced service life
- Protects against corrosion, varnish, deposits and sludge
- Good filter ability and anti-foam protection
- Shear stable viscosity index improvers
- Rapid fluid circulation at cold start-up
- Reduces failure of hydraulic components to a minimum
- Maintain system protection across a wide range of operating temperatures



### HYDRO POLAR

Oil for extremely low temperatures. Hyva Hydro Polar is suitable for intense applications operating in cold, polar climates with extremely low ambient temperatures at startup.

Due to its extremely high viscosity index, the oil can withstand higher temperatures up to 85°C/185°F without compromising on performance.

### HYDRO 22

Oil for lower startup temperatures. Hyva Hydro 22 colder climate oil is suitable for all applications operating in cold continental climates.

### HYDRO 46

Oil for higher ambient temperatures. Hyva Hydro 46 warm climate oil is suitable for all applications operating in warm and sub-tropical climates.

### HYDRO 68

Oil suitable for very high ambient temperatures, for applications operating in tropical climates.

### HYDRO 32 HVI

All-round oil for a wide range of temperature levels due to its high viscosity index. Hyva Hydro 32 HVI is suitable for all applications operating in most moderate-temperature climates around the globe.

## SPECIFICATIONS

| Product code                         | Test Method | Application                    |                 |               |                  |                       |
|--------------------------------------|-------------|--------------------------------|-----------------|---------------|------------------|-----------------------|
|                                      |             | Very low start-up temperatures | Low temperature | All-round     | High temperature | Very high temperature |
| <b>Viscosity grade</b>               |             | <b>29 HVI (POLAR)</b>          | <b>22</b>       | <b>32 HVI</b> | <b>46</b>        | <b>68</b>             |
| Viscosity index                      | ASTM D2270  | 360                            | 110             | 160           | 100              | 100                   |
| Kinematic viscosity at 40°C / 104°F  | ASTM D445   | 29                             | 22              | 32            | 46               | 68                    |
| Kinematic viscosity at 100°C / 212°F | ASTM D445   | 10.0                           | 4.3             | 6.7           | 6.8              | 8.8                   |
| Flash point, °C / °F, min.           | ASTM D92    | 100 / 212                      | 165 / 329       | 175 / 347     | 185 / 365        | 195 / 383             |
| Pour point, °C / °F, max.            | ASTM D97    | -60 / -76                      | -35 / -31       | -35 / -31     | -15 / +5         | -12 / +10.4           |
| Density, 15°C / 59°F, Kg/l           | ASTM D4052  | 0.8706                         | 0.8567          | 0.8613        | 0.8632           | 0.8649                |
| Industry standard                    | DIN 51524   | Part 3                         | Part 2          | Part 3        | Part 2           | Part 2                |

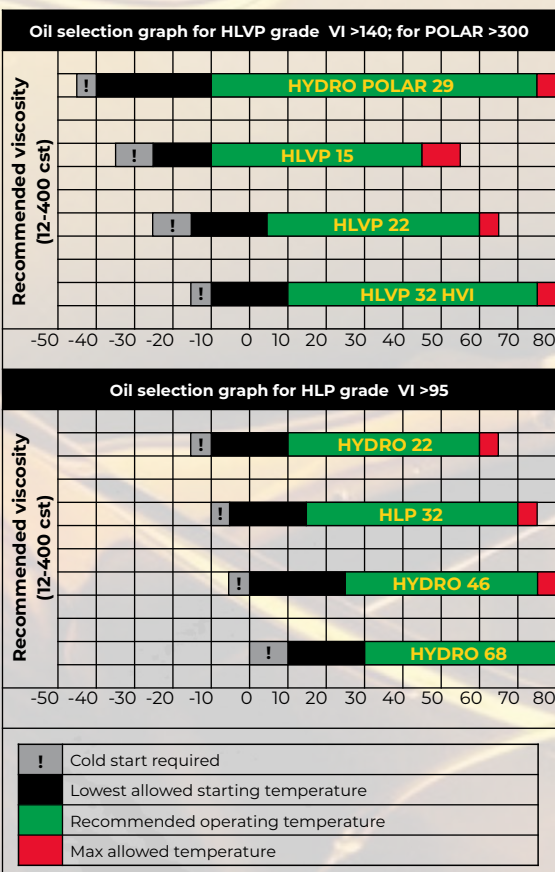
## THE IMPORTANCE OF SELECTING THE RIGHT OIL VISCOSITY

It is essential to select and use the right oil viscosity at any time. To suit different operating conditions and ambient temperatures, Hyva offers a wide range of oil types to assure the right cylinder sealing performance and hydraulic pump performance.

Hyva helps you in selecting the right oil type for your application. To do so, Hyva states a minimum start-up temperature and a maximum operating temperature. Both values shall not be exceeded to assure maximum performance of your Hyva products.

## OIL SELECTION

1. Select the hydraulic oil based on lowest allowed starting temperature
2. check the oil level in the tank before starting the application
3. Replace hydraulic oil once a year for optimal performance
4. Ensure to maintain the oil temperature below 80 °C



### All Hyva Hydraulic oils are available in:

|                 |                                               |
|-----------------|-----------------------------------------------|
| <b>Cans:</b>    | for service (18 or 20 litre*)                 |
| <b>Barrels:</b> | for service and first fill (200 - 210 litre*) |
| <b>IBC:</b>     | for service and first fill (1000 litre)       |
| <b>Bulk:</b>    | for service and first fill (per litre)        |

\* volume varies according to local regulations



18 & 20L CANS



200 & 210L BARRELS

**110 countries**  
**+3,500 employees**  
**20,000 customers**  
**+30 subsidiaries**  
**12 production facilities**



**Hyva is a leading provider of innovative and highly efficient transport solutions for commercial vehicles used in transport, construction, mining, materials handling and environmental service industries.**

**Founded in 1979 in the Netherlands, the company has a global presence with more than 30 wholly owned subsidiaries, extraordinary service coverage and 12 manufacturing facilities in Brazil, China, Europe and India.**

**For more information on Hyva, please visit [www.hyva.com](http://www.hyva.com)**

**or follow us on:**



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**Quality and  
environmental certified**

**DEALER STAMP**