



# GLOBALSYNTH

GLOBALSYNTH LUBRICANTS PVT LTD

An ISO 9001 : 2015 CERTIFIED COMPANY

**GLOBALSYNTH HLP Hydraulic** oils designed for general purpose hydraulic systems lubrication. Formulated with group 2 base stocks and performance improving additives they provide improved wear, oxidation and rust protection. Superior cleanliness and outstanding filterability help to maintain or enhance hydraulic system efficiency.

## APPLICATIONS

- Wide range of industrial hydraulic systems
- Vane and gear pumps operating under high loads, as recommended by pump manufactures.
- Severe service hydraulic systems, employing axial and radial piston pumps, as recommended by pump manufactures.
- Lightly loaded industrial gears and bearings where mild anti-wear characteristics are required

| Features             | Advantages and Potential Benefits   |
|----------------------|---|
| Superior cleanliness | Reduced impact of contaminants on filter blocking to prolong the life of hydraulic equipment. |
| Anti-wear protection | Help extend component life and improve production capacity.                                   |
| EP Properties        | Extreme pressure properties is present.   |
| Oxidation stability  | Low sludge formation to extend oil drain interval life and minimizing maintenance costs.      |
| Low foaming          | Provide efficient hydraulic power transfer to prolong engine life.                            |
| Corrosion protection | Prevents corrosion of system components to extend overhaul intervals.                         |
| Hydrolytic stability | Superior hydrolytic stability.  |
| Anti-rust protection | Excellent rust protection.  |

### Meets the requirements:

- DIN 51524 Part 2 &3

| Properties                                    | Method     | Globalsynth HLP Hydraulic Oil |         |         |         |
|---|------------|-------------------------------|---------|---------|---------|
|   |            | 32                            | 46      | 68      | 100     |
| ISO Viscosity Grade                           |            | 32                            | 46      | 68      | 100     |
| Kinematic Viscosity @40°C, mm <sup>2</sup> /s | ASTM D445  | 32                            | 46      | 68      | 100     |
| Viscosity Index                               | ASTM D2270 | 115                           | 115     | 115     | 115     |
| Flash Point (COC), °C                         | ASTM D92   | 220                           | 230     | 238     | 246     |
| Pour Point, °C                                | ASTM D97   | -18                           | -18     | -12     | -12     |
| Total Acid Number, mg KOH/g                   | ASTM D664  | 0.01                          | 0.01    | 0.01    | 0.01    |
| Cleanliness class, max                        | ISO 4406   | -/17/14                       | -/17/14 | -/17/14 | -/17/14 |
| Density @15°C, kg/m <sup>3</sup>              | ASTM D4052 | 851                           | 855     | 868     | 885     |

**These characteristics are typical values and do not represent a specification.**

## HEALTH, SAFETY & ENVIRONMENT

Health, Safety and Environment This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil or water.

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