

# Technical Data Sheet

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PETRONAS

## PETRONAS Akcela Hydraulic Excavator Fluid HV46

### Description and Applications

PETRONAS Akcela Hydraulic Excavator Fluid HV46 is a high-quality high viscosity index, specifically for high pressure hydraulic systems of farm machines, combine harvesters and earthmoving machinery.

PETRONAS Akcela Hydraulic Excavator Fluid HV46 provides high protection on hydraulic system components against wear and corrosion. Its demulsive and antifoam properties, deliver better lubricating continuity preventing cavitation and removing heats. The viscometric profile remains constant within a broad temperatures range ensuring a prompt response at hydraulic system and high output rate of the pumps, at both low and high temperatures, with consequent fuel saving

PETRONAS Akcela Hydraulic Excavator Fluid HV46 contains special additives, which give the fluid the indispensable antioxidant characteristics for withstanding the thermal stress to which it is subjected.

### Approvals, Specifications and Recommendations

#### Specifications:

- DIN 51524 - Part 3 HVLP
- ISO VG 46

#### Performance Level:

- CASE MS 1230
- Parker Denison HF-0
- Fives Cincinnati P-69

Note: Always consult your owner's manual to check recommended viscosity grade and specifications for your specific vehicle

### Typical Physical Data

| Parameters                 | Method      | Unit                     | Typical Value  |
|----------------------------|-------------|--------------------------|----------------|
| Appearance                 | --          | --                       | Bright & Clear |
| Density @ 15°C             | ASTM D 4052 | g/cm <sup>3</sup>        | 0.860          |
| Kinematic Viscosity @ 40°C | ASTM D 445  | mm <sup>2</sup> /s (cSt) | 48             |
| Viscosity Index            | ASTM D 2270 | --                       | 167            |
| Pour Point                 | ASTM D 97   | °C                       | -42            |
| Foam @ 24°C                | ASTM D 892  | cc/s                     | 10/0           |

All technical data is provided for reference only. These characteristics are typical of current production. Whilst future production will conform to PLI's specification, variations in these characteristics may occur.

### 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.

For further detail regarding storage, safe handling, and disposal of product, please refer to product SDS or contact us at: [www.pli-petronas.com](http://www.pli-petronas.com)

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