

## HIGHTEC SUNLUB® E 32

Fully synthetic, high-performance hydraulic oil for extended oil life and high system protection. Based on renewable resources. Awarded with the EU ECOLABEL.

### Description

HIGHTEC SUNLUB® E 32 allows for greatly extended oil change intervals and has an excellent and durable multi-grade character. Designed for very high and highly fluctuating operating temperatures.



### Application

HIGHTEC SUNLUB® E 32 is specially developed for environmentally sensitive areas such as off-shore, construction or forestry. It is particularly suitable for heavily loaded hydrostatic drives and high-pressure hydraulic systems.

### Approvals

- EATON E-FDGN-TB-002-E
- EATON Brochure 03-401-2010 Rev.1
- EU Ecolabel NL/027/011

### Equivalent quality in accordance with EU-law as per

- DIN 51524-3 HVLP
- ISO 15380 HEPR
- PARKER Denison HF-0, HF-1, HF-2, HF-6e\*

### This product is also recommended when the following filling instructions are required

- CAT-BF1
- CNH MAT 309
- Danfoss Power Solutions-520L0463
- Komatsu Forest
- Palfinger
- Poclairn Hydraulics
- Volvo Hydraulics

### Advantages

- 100% fully synthetic
- Non-ester based
- High protection level for the system and components
- Excellent aging stability in the presence of water
- Excellent filterability in the presence of water
- Prevents deposits, exceeds stringent manufacturer requirements
- Zinc-free and ash-free
- High shear stable viscosity index
- Significant energy saving potential
- EU Ecolabel certified

### Recommendation

HIGHTEC SUNLUB® E 32 is miscible and compatible with all zinc- and ash-free mineral oil-based hydraulic oils according to DIN 51524.



## Typical characteristics

| Property                                    | Method                      | Unit               | Value  |
|---|-----------------------------|--------------------|--------|
| Density at 15 °C                            | ASTM D-7042                 | g/ml               | 0.84   |
| Kinematic viscosity KV 100                  | ASTM D-7042                 | mm <sup>2</sup> /s | 6,2    |
| Kinematic viscosity KV 40                   | ASTM D-7042                 | mm <sup>2</sup> /s | 32     |
| Viscosity index                             | ASTM D2270                  | -                  | 147    |
| Pour point                                  | ASTM D-97 / DIN EN ISO 3016 | °C                 | -40    |
| Foaming behaviour at 24°C                   | ASTM D 892                  | ml/ml              | 10/0   |
| Foaming behaviour at 93.5°C                 | ASTM D 892                  | ml/ml              | 20/0   |
| Foaming behaviour at 24°C to 93.5°C         | ASTM D 892                  | ml/ml              | 10/0   |
| Corrosion effect on copper                  | DIN 51 811                  | Grad               | 1a     |
| Biodegradability                            | OECD 301 B                  | %                  | >60    |
| Renewable Resource Content                  |                             | %                  | >50    |
| FZG A/8.3/90 (min)                          | DIN 51354/2                 | SKS                | >12    |
| RPVOT                                       | ASTM D2272                  | min.               | >1.000 |
| LAV   | ASTM 3427                   |                    | 4      |
| TOST  | ASTM D943 / wet             | h                  | >1.000 |
| Taper roller bearing shear test, Loss (20h) | CEC L-45-A-99               | %                  | 4,5    |
| Flash point COC                             | DIN ISO 2592                | °C                 | 230    |

These characteristics are typical for current production. The data does not constitute an assurance of properties or a guarantee of suitability for a specific application. Existing legal provisions and regulations that affect handling and usage of the products must be observed by the recipient of our products. ROWE products are continuously being developed. For this reason, ROWE retains the right to change all technical data in this product information at any time without prior announcement. Our current General Delivery and Payment Conditions apply ([www.rowe-oil.com](http://www.rowe-oil.com)).

