

## PRODUCT DATA SHEET

# **HYPLEX BIOGEN 68**

## **(BIODEGRADABLE HYDRAULIC OIL)**

### DESCRIPTION

HYPLEX BIOGEN 68 is a Vegetable plant based hydraulic oil blended with a thermally stable ashless additive package, which inhibits oxidation, protects bearings from corrosion and prevents wear. Hyplex BIOGEN provides excellent performance in extremes of temperature and working conditions.

Hyplex Biogen is 90-95% biodegradable over a 30 day period. The naturally high viscosity index of this product provides a wide viscosity range, making it a universal replacement in a variety of equipment.

| <b>Grade</b>                    | <b>ISO 68</b> |
|---------------------------------|---------------|
| Viscosity (Typical cSt @ 40°C)  | 64.1          |
| Viscosity (Typical cSt @ 100°C) | 10.5          |
| Specific Gravity @ 15.6°C       | 0.88          |
| Viscosity Index                 | 160           |
| Pour Point °C                   | -30           |
| Flash Point °C (COC)            | 251           |
| Fire Point °C (COC)             | 274           |

### **Hydrolytic Stability ASTM D-2619**

|                      |        |
|----------------------|--------|
| Copper Wt. Loss (mg) | 0.0208 |
| Copper Appearance    | 1B     |
| Water Layer          | 3.0    |

### **Demulsibility, ml Oil/Water/Emulsion**

|                                    |         |
|------------------------------------|---------|
| ASTM D-1401 (< 10 minutes)         | 40/40/0 |
| Copper Strip Corrosion (3hr@100°C) | 1A      |
| FZG Test Din 51354/2               | 12      |

### APPLICATION

Use in the majority of hydraulic systems in earthmoving equipment, machine tools, forklifts, presses, rams and extruders. Hyplex Biogen is of a particular advantage when used in Environmentally sensitive areas, such as in construction and earthmoving around waterways.

Due to its natural base and its wide viscosity range this oil is ideal for use in a variety of machines. This product is compatible with mineral based hydraulic oils allowing for system change without requiring a full flush.

*Proven Protection. Powerful Performance.*



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## **STANDARDS**

Meets or exceeds the following:

Denison HF-0 when used in T6H20C pump test

## **CONTAINER SIZES**

Bulk, 1000 Litres IBC, 205 Litres, 20 Litres

Issue Date 1/9/2019

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