

PRODUCT DATA SHEET

HYPLEX BIOGEN Series

(BIODEGRADABLE HYDRAULIC OIL)

DESCRIPTION

HYPLEX BIOGEN Series are 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 Readily Biodegradable, being 70-90% biodegradable over a 30 day period. The naturally high viscosity index of these products provides a wide viscosity range, making them universal replacements in a variety of equipment.

Grade	ISO 46	ISO 68
Viscosity (Typical cSt @ 40°C)	44.0	64.1
Viscosity (Typical cSt @ 100°C)	9.0	10.5
Specific Gravity @ 15.6°C	0.87	0.88
Viscosity Index	190	160
Pour Point °C	-30	-30
Flash Point °C (COC)	240	251
Fire Point °C (COC)	262	274

Hydrolytic Stability ASTM D-2619

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

Demulsibility, ml Oil/Water/Emulsion

ASTM D-1401 (< 10 minutes)	40/40/0	40/40/0
Copper Strip Corrosion (3hr@100°C)	1A	1A
FZG Test Din 51354/2	12	12
Biodegradability OECD 301B	>70%	>70%

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.



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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

(Not all products available in all sizes)

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