

## Product Information:

# TERRALUS BVG 32, 46, 68

## VEGETABLE BASED BIODEGRADABLE HYDRAULIC OILS

### Description

Terralus BVG environmentally sensitive hydraulic fluids (HETG Type) are a range of readily biodegradable products manufactured to meet the requirements of hydraulic systems in industrial, horticultural and earth moving equipment. The range is mineral oil free and has been specially developed to meet concerns over the inevitable spills, leakages and total system losses that frequently occur from burst hoses on hard worked hydraulic equipment. This is particularly important if hydraulic equipment is working where soil or water contamination is a possibility. In addition to the problem of mineral oil pollution, there is now evidence that zinc anti-wear additives in conventional hydraulic oils may have long-term harmful ecological effects. Terralus BVG hydraulic oils are completely free of zinc and all other heavy metals.

In use Terralus BVG hydraulic oils perform similarly to their mineral equivalents and are, in some areas, superior in performance. The base is a combination of natural and synthetic ester products that have excellent natural lubricity and a superior film strength. They are specially manufactured to give low wear performance over a very wide range of temperatures, and the low pour point gives full lubrication in cold start up conditions. These additives protect against wear, oxidation, rust, corrosion, foam, and improve the pour point to assist start up in sub-zero climatic conditions.

### Applications

Designed for light to medium duty systems with operating temperatures ranging from -10°C to 60°C and pressures up to 5,000 psi. The range is recommended as a replacement for mineral hydraulic oils, particularly where spillage or loss is inevitable. Applications include: construction equipment used near to waterways and reservoirs, ground care machinery, forestry equipment, et cetera.

**NOTE: These products should NOT be mixed with mineral hydraulic fluid due to loss of environmental capability and also possible damage to hydraulic systems due to incompatibility. Not suitable for construction machinery fluid drives, please refer to Terralus SB 46 for severe operations and extremes of temperature.**

#### Seal & Paint Compatibility

Compatible with all seals and paints normally specified for use with petroleum products. With regards to plastics and industrial adhesives these may be adversely affected and advice should be sought from the respective manufacturer.

#### Metal & Filter Compatibility

Compatible with all metals commonly associated with hydraulic systems. Recommended metals to avoid are Tin from soldered joints or Zinc from galvanized components. Filter systems should also be compatible with vegetable oils derived from Rapeseed and other similar fluids.

### Physical Characteristics

Grade	BVG 32	BVG 46	BVG 68
Appearance	Pale amber/yellow liquid		
Relative Density @ 15.6°C	0.910	0.918	0.920
Kinematic Viscosity @ 40°C (cSt)	33.1	47.05	66.32
Kinematic Viscosity @ 100°C (cSt)	6.2	9.8	12.9
Viscosity Index	202	200	200
Closed Flash Point (°C)	198	204	208
Pour Point (°C)	-30	-25	-25
Biodegradability Test (%)	> 98		

Figures based on average production values

Part No.s: BVG025, BVG205  
BVF025, BVF205  
BVS025, BVS205

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