

Product Information Sheet

TERRALUS BVG32, BVG 46, BVG 68

Vegetable Based Biodegradable Hydraulic Oils

Description

Terralus BVG Hydraulic Oils are a range of readily biodegradable hydraulic oils manufactured to meet the requirements of hydraulic systems in industrial, horticultural and earth moving equipment. This range is mineral oil free and has been specially developed to meet concern 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 naturally 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

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, etc. A suitable grade should be selected by viscosity (ISO numbers) according to manufacturers recommendation.

Physical Characteristics

ISO VG Grade	32	46	68
SG @ 15°C	0.923	0.925	0.937
Viscosity at 100 °C cSt	7.4	9.7	13.5
Viscosity at 40 °C cSt	32	45	66
Flash Point (closed) °C	210	220	220
Pour Point, °C	-30	-25	-25
Biodegradability Test (%)	>98	>98	>98

SDS: 370, Issue: 01, Ref.: 646.999