



# PRODUCT DATA SHEET

## Oilzum Bio-Green Hydraulic Oil

Oilzum Bio-Green Hydraulic Oil is a biodegradable, multi-viscosity hydraulic fluid that is formulated using a natural renewable fluid.

This environmentally acceptable hydraulic fluid is based on a natural fatty oil which has a special affinity to metal surfaces affording exceptional boundary lubrication. It has also been carefully formulated to provide excellent anti-wear and anti-corrosion properties. Based on a specially selected natural vegetable oil that is much friendlier to the environment than conventional mineral based hydraulic oils it is designed for use in applications where the risk of environmental damage through leakage/spillage from hydraulic equipment is high such as agriculture, construction, mining, forestry and marine industries.

Oilzum Bio-Green Hydraulic Oil offers multi-grade characteristics and a wide range of performance features similar to mineral oil based formulations.

Features	Advantages and Potential Benefits
Biodegradability and non-toxicity	Reduces potential for environmental damage, 95% biodegradable within 30 days based on the CEC-L-33-T-82 test. Lowers potential remediation and clean-up costs caused by spills or leakage.
Exceptional load-carrying and anti-wear properties	Protects system components against wear. Provides long equipment life.
Outstanding corrosion protection	Reduces corrosion of internal system components
Multi-metal compatibility	Non-reactive with steel or copper alloys
Seal and elastomer compatibility	Works with same elastomers used with mineral based oils. No need for special seals or elastomers.

### TYPICAL ANALYSIS

Performance Profile Test	Method	Units	Min	Max
Viscosity @ 40° C	D445	cSt	35	39
Viscosity @ 100° C	D445	cSt	8	9
Viscosity Index	D2270		200	
Pour Point	D97	°C		-30
Demulsification	ASTM D1401	minutes		30
Rust Test	D665A		No Rust	
Rust Test	D665B		No Rust	
Copper Corrosion 3 hrs at 100° C	D130			Class 1
FZG Gear Test Fail Stage	Din 51354		12	
Four Ball Wear Test 1 hr, 30kg, 1460 rpm	MWSD	mm		0.4
Vickers Vane	V104c, 100h		below 5 mg	
Flash Point	ASTM D92	°C (°F.)	270°C (518° F.)	
Biodegradability	CEC-L-33-T-82	%	95	

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All reasonable care has been taken to ensure that the information herein is accurate as of the date of printing. The test results listed are typical properties only. DENNISON LUBRICANTS, INC. strives for continuing improvement in all of our products. Slight formula and blending changes may result in minor color and/or appearance changes.