

# PRODUCT DATA

## HYDRO-DRIVE<sup>®</sup> B-245

**Hydro Drive B-245** is a vegetable oil based hydraulic fluid formulated to meet the demand for biodegradable hydraulic oils. **Hydro-Drive B-245** offers excellent performance in a wide array of hydraulic components and can be used as a replacement for conventional petroleum hydraulic oil. It exhibits good thermal and oxidative properties when compared to other vegetable derived products. Formulated from vegetable oil and containing a biodegradable additive package, **Hydro-Drive B-245** is designed to minimize environmental impact and have low environmental persistence. Its high viscosity index (VI) allows outdoor operations in winter and summer without the need for fluid changes or equipment modifications.

### TYPICAL PROPERTIES

Appearance	Clear, light amber fluid
Viscosity, SUS	
@ 212°F (100°C)	53.7
@ 104°F (40°C)	173
@ 100°F (37.8°C)	182
@ 32°F (0°C)	1060
Viscosity Index	210
Total Acid Number mg KOH/g	0.5
ASTM Flash Point (COC) °F (°C)	435 (224)



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**TYPICAL PROPERTIES (Con't.)**

ASTM Fire Point (COC) °F (°C)	515 (267)
ASTM Pour Point, °F (°C)	-17 (-27)
Specific Gravity @ 60°F	0.92
Corrosion Test, ASTM D-665-A	Pass

**PUMP TEST DATA**

**Conditions**

Pump	Vickers V-104-C
Pressure, psi	1500
Temperature, °F	150
Output, gpm	7.5
Filter, micron	10 nominal
Capacity, gal.	5

**Results**

Duration, hrs.	504
Ring loss, mg	14
Vane loss, mg	6
Total loss, mg	20
Wear Rate, mg/hr.	0.04

**SHIPPING INFORMATION**

**Hydro-Drive B-245** is shipped in 55 (U.S.) gallon (208 liter) drums and in bulk.

**STORAGE/HANDLING/DISPOSABILITY**

No health or safety hazards exist when **Hydro-Drive B-245** is stored, used and disposed of in accordance with instructions given on the Material Safety Data Sheet for this product.

**WARRANTY**

The information given here is considered to be correct and is offered for your consideration, investigation and verification. No warranties are expressed or implied, since the use of our products is beyond our control. Statements concerning the use of Houghton products are not to be construed as recommending the infringement of any patent.

**EXPORT STATEMENT**

This commodity and its technology are subject to the export control laws and regulations of the United States Government. Buyer agrees that it shall not make any disposition, by way of export, diversion, transshipment, re-export or otherwise, except as expressly permitted under United States law.