



Next Generation Sustainable Lubrication Technologies

## HE-2500 Concentrate (FMN #HE00512)

High Performance Sustainable Top Treat for Grease & Lubricants

### Technical Data Sheet

#### Description:

HE-2500 Concentrate Lubrication Technology is 97% Biobased rated by ASTM-D6866-20 testing (FMN #HE00512) and a proven self-inducing metallic surface science. HE-2500 Concentrate has been strategically designed to control friction and minimize wear factors in grease and lubricant applications. HE-2500 Concentrate protects the critical bearings, gear surfaces and other mechanical applications during their service duration. HE-2500 Concentrate uses the existing fluids in the lubrication system as a carrier to seek out contacting interfaces throughout machinery and equipment.

#### Physical Properties:

ASTM	DESCRIPTION	TYPICAL
D445	Kinematic Viscosity @ 40° C	110 cSt
D445	Kinematic Viscosity @ 100° C	14 cSt
D92	Flash Point	479° F
D97	Pour Point	-9° C
D130	Copper Corrosion, 24 hrs. @ 100° C	1b (Shiny)
D1298	Specific Gravity @ 60° F	0.964
D2270	Viscosity Index	140
Appearance	Visual	Amber

HE-2500 Concentrate components are listed or not required to be listed on the following: United States TSCA, Canadian DSL, Australia AICS, China IECSC, New Zealand NZIoC, Taiwan TCSI, Philippines PICCS, Vietnam DNIL and European EINECS.

#### Storage, Shipping & Handling:

This product should be stored indoors and be used on a first-in, first out basis. Recommended product containers are lined and should be kept tightly closed. Avoid contact with skin and eyes. Use with Adequate ventilation. Make sure any partial product in a drum is used quickly and that all stock is rotated on a first-in, first out basis. Store between 60° to 125° F (16 to 52° C). Shelf life is two years from date of manufacture provided the material is stored within all

recommendations and containers are kept tightly closed. Please read SDS for safety. Revised 2/16/21

#### Applications:

Field proven performance: railway, bearings, gear boxes, hydraulic systems, compressors, rear axle hypoids, engine dynamometers, wind turbine bearings & gears, racing vehicles & tractors. HE-2500 Concentrate typically is treated with two (2) ounces per quart and in most lubrication system depending on application performance requirements. HE-2500 Concentrate has provided superior cost performance in various grease soap systems including calcium sulfonate complex and lithium hydroxide complex. HE-2500 concentrate has been proven to be highly successful when applied to bearings and gears to aid initial break in and provide increase long term sustainability.



Beta Analytic, Inc.  
4985 SW 74th Court  
Miami, FL 33155 USA  
Tel: 305-667-5167  
Fax: 305-663-0964  
info@betalabservices.com

ISO/IEC 17025:2017-Accredited Testing Laboratory

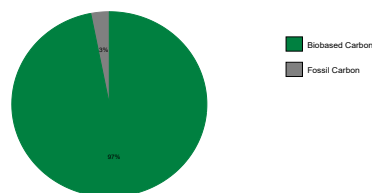
Summary of Results - % Biobased Carbon Content  
ASTM D6866-20 Method B (AMS)

Certificate Number: 46974058141515930  
Validation:

Submitter: Gregory David Lesley  
Company: D&J Associates Int'l / Honu Eco Inc.  
Date Received: January 13, 2021  
Date Reported: January 20, 2021  
Submitter Label: HE00512

RESULT: 97 % Biobased Carbon Content (as a fraction of total organic carbon)

Laboratory Number: Beta-581415  
Percent modern carbon (pMC): 97.11 ± 0.27 pMC  
Atmospheric adjustment factor (REF): 100.0; = pMC/1.000



HONU ECO MAKES NO EXPRESSED OR IMPLIED WARRANTIES ON MERCHANTABILITY, FITNESS OR OTHERWISE with respect to this product. In addition, while the information contained herein is believed to be reliable, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof. All recommendations or suggestions for use are made without guarantee inasmuch as conditions of use are beyond our control. The properties given are typical values and are not intended for use in preparing specifications. Users should make their own test to determine the suitability of this product for their own purposes.