



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

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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.



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ISO/IEC 17025:2017-Accredited Testing Laboratory

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

Certificate Number: 469740581415115930
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

