

H[®] TECHNICAL BULLETIN INTRAAX[®] STANDARD HUB ASSEMBLIES

SUBJECT: Synthetic Greases

LIT NO: B85

DATE: November 1999

Hendrickson Trailer Suspension Systems has changed its standard semi-fluid synthetic grease for standard hub assemblies from Mobilith[®] SHC[®] 007 to Amoco Ultimate[®] Grease SF. Hendrickson will continue to offer Mobilith SHC 007 for standard hub assemblies, but at a greater cost.

Amoco Ultimate Grease SF flows smoothly and easily at temperatures as low as -50° F, and continues to lubricate efficiently up to 375° F. For a comparison between Amoco Ultimate Grease SF and Mobilith SHC 007, refer to the table below. Ultimate uses poly alpha-olefin (PAO) synthetic oil, an EP agent, a rust inhibitor, and a special combination of friction-reducing agents in a polyurea thickenener.

Mobilith SHC 007 and Amoco Ultimate Grease SF should not be mixed. Both semi-fluid synthetic greases have a distinct color and texture. Mobilith SHC 007 is a reddish color with a tacky texture, and Amoco Ultimate Grease SF is golden with a smooth texture.

For additional information, please contact your Hendrickson representative.

	ASTM Test	AMOCO ULTIMATE [®] GREASE SF	MOBILITH [®] SHC [®] 007
Penetration:	D-217		
UNWORKED		375	401
After 24 hrs. @ 100° C		450	464
WORKED		370	414
After 24 hrs. @ 100° C		450	446
Dropping Point (° F):	D-2265	445	456
Four-Ball EP:	D-2596		
Load Wear Index		50	35
Weld		250	200
Four-Ball Wear:	D-2266		
40 kg, 1200 rpm, mm scar		0.34	0.60
Timken, Pass, lbs.	D-2509	55	60
Load carrying capacity, psi		26,000	16,000
Optimol SRV Test:			
STEPLoad (N, 50° C)			
Weld		1200+	500
Coefficient of Friction:			
200 N		0.045	0.09
400 N		0.035	0.09
U.S. Steel Pumpability (-40° F)			
grams per minute			
50 psi		0.4	0
150 psi		13.3	7.1
Low Temperature Torque (40° F, N•m)	D-4693		
Starting		1.4	2.3
Running		0.9	1.8

2070 Industrial Place SE
Canton, Ohio 44720-2600 USA
Phone (330) 456-7288
Fax (330) 456-0105

H[®] HENDRICKSON
Trailer Suspension Systems

A Boler Company

250 Chrysler Drive, Unit #3
Brampton, Ontario L6S 6B6 CAN
Phone (905) 789-1030
Fax (905) 789-1033