

Irving HDH

Heavy Duty Hypoid Gear Oil



Features & Benefits

- Outstanding service
- Meets industry approvals
- Proven performance over millions of miles
- HDH 80W-90 LS is suitable for service in limited-slip differentials

Specifications

Meets Requirements of	75W-90	80W-90	85W-140	80W-90 LS
API GL-5	X	X	X	X
API MT-1	X	X	X	X
ZF TEML 07A & 08	X	X	X	X
FORD WSP-M2C197A	-	X	-	X

Irving HDH is an amber to dark coloured mineral oil. **Irving HDH** oils are extreme pressure (EP) automotive gear lubricants made from high quality, high viscosity index (VI) paraffinic base oils. Their special additives make them particularly effective at providing high load-carrying protection with excellent rust, corrosion and foam prevention. Excellent oxidation control and thermal stability prevents the formation of sludge and deposits, which leaves gears clean through many miles of service. **Irving HDH** oils are suitable for outdoor industrial applications with enclosed gear sets, that require high film strength.

Irving HDH can be used in non-manual transmission GL-4 application. **Irving HDH** is not recommended in synchro-mesh transmissions where GL-4 is recommended.

Typical Results

SAE GEAR GRADE	75W-90	80W-90	85W-140	80W-90 LS
VISCOSITY (D445) cSt @ 40 °C cSt @ 100 °C	78 16.7	137 14.7	341 26.7	125 14.2
VISCOSITY INDEX (D2270)	231	107	112	113
BROOKFIELD VISCOSITY (D2983) cP @ -26°C cP @ -40°C	- 39600	109200 -	142000 -	60000 -
POUR POINT (°C) (D97)	-45	-33	-20	-33
CHANNEL POINT (°C)	-43	-35	-22	-35
DENSITY @ 15°C (D4052) Kg/l	0.8816	0.8935	0.9054	0.8961
FLASH POINT (°C) (D92)	194	234	246	222
TIMKEN LOAD (D2782) (KG)	32	32	32	32



Blending & Packaging

www.irvingblend.com
1.800.574.5823

Supporting data available to demonstrate appropriate performance.
Check with your Sales Representative for latest product approvals.
Please note, these are typical performance indicators and can change without notice.
This data sheet supersedes any previous version prior to 8/20/2018.

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Size & Order Codes

75W-90	80W-90	85W-140	80W-90 LS
946ml/ 1 qt US N/A	946ml/ 1 qt US F0005415	946ml/ 1 qt US N/A	946ml/ 1 qt US N/A
5L/ 1.32 US GAL N/A	5L / 1.32 US GAL F0005430	5L / 1.32 US GAL N/A	5L / 1.32 US GAL N/A
18.9L/ 5G US GAL F0086840	18.9L/ 5G US GAL F0087040	18.9L/ 5 US GAL F0087140	18.9L/ 5 US GAL F0080340
60L/ 15.8 US GAL F0005245	60L/ 15.8 US GAL F0005445	60L/ 15.8 US GAL F0005545	60L/ 15.8 US GAL N/A
205L/ 54.2 US GAL N/A	205L/ 54.2 US GAL F0012550	205L/ 54.2 US GAL F0012650	205L/ 54.2 US GAL F0073550
Bulk B0005201	Bulk B0005401	Bulk B0005501	Bulk B0073501



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