



## Alpha™ HC Range

Multi-Purpose Synthetic Lubricants

### Description

Castrol Alpha™ HC Range (previously called Isolube™ Range) lubricants provide excellent performance in circulating oil and gear set applications. Alpha HC lubricants contain technically advanced chemistries that exceed the performance levels historically attributed to the traditional synthetic products. Alpha HC lubricants excel in applications requiring optimum oxidation control and thermal stability, consistent anti-wear performance, and low carbon forming tendencies. The uniqueness of the Alpha HC Lubricants is most visible in compressors that operate under severe field and industrial conditions.

### Advantages

When compared to conventional gear lubricants:

- Alpha HC lubricants chosen synthetic components provide the potential for extended drain intervals and reduced maintenance costs.
- Alpha HC lubricants have noted viscosity range properties for low temperature fluidity and controlled volatility.
- Other benefits of this innovative formulation include superior rust protection, consistent demulsibility and hydrolytic stability.

## Typical Characteristics

Name	Test Method	Units	32	46	68	150	220	320	460
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	32.6	45.7	67.8	149.2	220.8	319.4	458.2
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	6.08	7.85	10.4	18.9	25.6	32.3	41.2
Viscosity at 100°F	ASTM D2161	SUS	153	217	341	691	1021	1480	2122
Viscosity at 210°F	ASTM D2161	SUS	46.1	51.9	61.5	93.8	122.8	152.9	193.5
Viscosity Index	ISO 2909 / ASTM D2270	-	136	138	140	143	148	141	139
FZG Gear Test	ASTM D5182	Stages	-	-	-	> 12	> 12	> 12	> 12
Pour Point	ISO 3016 / ASTM D97	°C/°F	-45/ -49	-45/ -49	-45/ -49	-45/ -49	-45/ -49	-45/ -49	-45/ -49
Flash Point - open cup method	ISO 2592 / ASTM D92	°C/°F	228/ 442	228/ 442	228/ 442	227/ 441	227/ 441	227/ 441	227/ 441
API Gravity	ASTM D287	-	36.5	35.1	35.4	33.4	33	32.4	31
Specific Gravity @ 16°C / 60°F	ISO 3675 / ASTM D1298	-	0.842	0.844	0.8428	0.858	0.86	0.863	0.87
Pounds per Gallon	ASTM D287	-	7.01	7.03	7.06	7.14	7.16	7.18	7.25

Subject to usual manufacturing tolerances. \* Due to continual product research and development, the information contained herein is based on products purchased in the U.S. and subject to change without notification. Typical properties may vary slightly.

**This product was previously called Isolube. The name was changed in 2015.**

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04 Oct 2016

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BP Lubricants USA Inc., 1500 Valley Road, Wayne, NJ 07470  
 Telephone: +1-888-CASTROL Product Information: +1-877-641-1600  
[www.castrol.com/en\\_us/b2b/home.html](http://www.castrol.com/en_us/b2b/home.html)