



CPC E.P. Lubricant HD

- CPC E.P. Lubricants HD are refined by special techniques. The lubricants possess very high activity to metal surface. In addition to anti-oxidation, anti-rust, anti-foam additives, and etc., the lubricants also contain sulfur-phosphorus E.P. additive to form tenacious oil film on metal surfaces that can endure high E.P. and vibration load to prevent gear surface over-heat, fusion, deadlock, and serious wear.
- The Lubricants possess very excellent oxidative stability, and thus can effectively prevent gum formation and oil degradation for extended service. The lubricants are suitable for lubrication of heavily loaded bearings and gears.
- Packages: (1) in bulk (for HD320, HD460 and HD680)
(2) 200 liter drum
(3) 19 liter pail (for HD68, HD150, HD220, HD320 and HD460)
- The typical data are listed as follow:

Grade No.	HD32	HD68	HD100
Viscosity Grade, ISO VG	32	68	100
Sp. Gr., 15.6°C/15.6°C, D4052	0.8724	0.8830	0.8891
Viscosity, Kin., cSt @40°C, D445	31.8	67.3	94.3
@100°C, D445	5.49	8.79	11.16
Viscosity Index, D2270	109	103	100
Pour Point, °C, D6749	-33	-24	-18
Flash Point, COC, °C, D92	216	236	237
Color, D1500	0.5	L1.0	L1.5
Acid Number, mg KOH/g, D664	0.79	0.79	0.79
Four Ball EP, Welding Point, kg, D2783	200	250	250
Carbon Residue, Rams., %, D524	0.25	0.27	0.34
Sulfated Ash, %, D874	0.01	0.01	0.01
FZG, Failure Load Stage, D5182	12	>12	>12
Product No.	LA82032	LA82068	LA82100

Note: Typical properties are based on standard tests under laboratory conditions. Variations that do not affect product performance are to be expected during normal manufacture. Please consult your local CPC representative if you have any questions.



Grade No.	HD150	HD220	HD320
Viscosity Grade, ISO VG	150	220	320
Sp. Gr., 15.6°C/15.6°C, D4052	0.893	0.896	0.899
Viscosity, Kin., cSt @40°C, D445	145.7	212.9	316.9
@100°C, D445	14.58	18.64	24.40
Viscosity Index, D2270	99	97	98
Pour Point, °C, D6749	-15	-12	-12
Flash Point, COC, °C, D92	240	254	242
Color, D1500	L2.5	L3.0	L3.0
Acid Number, mg KOH/g, D664	0.79	0.79	0.79
Four Ball EP, Welding Point, kg, D2783	250	250	250
Carbon Residue, Rams., %, D524	0.40	0.45	0.51
Sulfated Ash, %, D874	0.01	0.01	0.01
FZG, Failure Load Stage, D5182	>12	>12	>12
Product No.	LA82150	LA82220	LA82320

Grade No.	HD460	HD680
Viscosity Grade, ISO VG	460	680
Sp. Gr., 15.6°C/15.6°C, D4052	0.901	0.908
Viscosity, Kin., cSt @40°C, D445	435.6	644.9
@100°C, D445	30.05	38.91
Viscosity Index, D2270	98	98
Pour Point, °C, D6749	-12	-12
Flash Point, COC, °C, D92	252	260
Color, D1500	3.0	L6.5
Acid Number, mg KOH/g, D664	0.79	0.86
Four Ball EP, Welding Point, kg, D2783	250	250
Carbon Residue, Rams., %, D524	0.56	0.64
Sulfated Ash, %, D874	0.01	0.04
FZG, Failure Load Stage, D5182	>12	>12
Product No.	LA82460	LA82680

Note: Typical properties are based on standard tests under laboratory conditions. Variations that do not affect product performance are to be expected during normal manufacture. Please consult your local CPC representative if you have any questions.