



DONGNAM PETROLEUM - BASE OIL

GROUP III

Test Items	ASTM	ESLUB BW 230	ESLUB BW 550	ESLUB BW 460	ESLUB BW 620	ESLUB BW 570
Appearance	Visual	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear
Density @ 15.6°C, kg/L	D1298	0.83	0.8323	0.835	0.8398	0.8425
Saybolt Color	D156	30	30	30	30	30
Color (ASTM)	D1500	L0.5	L0.5	L0.5	L0.5	L0.5
Kinematic Viscosity @ 40°C, cSt	D445	7.62	14	19.7	32.54	41.1
Kinematic Viscosity @ 100°C, cSt	D445	2.25	3.38	4.27	6.04	7.1
Viscosity Index	D2270	103	115	124	134	134
Flash Point, COC, °C	D92	158	202	220	240	250
Pour Point, °C	D5950/6749	-36	-27	-20	-16	-14
Sulphur, wtppm	D5453	1	1	1	<1.0	<1.0
Conradson Carbon Residue, wt%	D4530	<0.01	<0.01	<0.01	<0.01	<0.01
Copper Strip Corrosion, 100°C, 3 hrs	D130	1b	1b	1b	1b	1b
Total Acid Number, mgKOH/g	D974	<0.01	<0.01	L0.01	L0.01	L0.01
Noack Volatility, wt% (Procedure B)	D5800 (B)	-	-	14.7	6.4	4
CCS Viscosity @ -30°C, mPa-s	D5293	-	-	1,500	3,850	6,300
Saturates, wt%	D2007	>99	>99	>99	>99	>99
Main Application		White Oil	White Oil, Transmission Oil	Engine, Transmission, White Oil	Engine, Gear, Axle Oil	Engine, Axle, Transmission Oil

Test Items	ASTM	ESLUB BW 100	ESLUB BW 120	ESLUB BW 300
Appearance	Visual	Bright & Clear	Bright & Clear	Bright & Clear
Specific Gravity, @15/4°C	D 1298	0.8324	0.8338	0.8423
Kinematic Viscosity, @40°C	D 445	12.73	19.57	36.82
Kinematic Viscosity, @100°C	D 445	3.12	4.23	6.52
Viscosity Index	D 2270	105	122	131
Noack Volatility, wt%	DIN 51581	42	15	7
Flash Point, °C	D 92	190	230	240
Pour Point, °C	D 97	-45	-15	-15
Color	D 1500	L0.5	L0.5	L0.5
Con. Carbon Residue, wt%	D 189	<0.01	<0.01	<0.01
Copper Corrosion	D 130	1-a	1-a	1-a
Sulfur, ppm	D 2622	<10	<10	<10
Total Acid No., mgKOH/g	D 664	0.01	0.01	0.01
Main Application		White, Textile, Cutting Oil	White, Textile Oil	Engine, Gear, Compressor, Bearing Oil