www.behranoil.com , E-mail: export@behranoil.com
Fax: +98 21 22264302

MINERAL BASE OILS

Solvent Neutral Mineral base oils are prepared from crude oil derivatives according to the following processes.

- Distillation, to adjust the viscosity and flash point;
- Refining, to improve viscosity-temperature characteristics e.g. viscosity index (solvent extracton with furfural);
- Dewaxing, to improve the low temperature properties (M.E.K dewaxing);
- Hydrofinishing, to remove undesirable impurities from petroleum distillates (such as sulfur and nitrogen compounds and olefins).

Base Stocks, obtained after above listed operations are called Solvent Neutral Base Oil (SN) which are distinguished with numbers according to their approximate SUS viscosity at 40℃ such as SN 90, SN150, SN350, SN500 etc.

In the Behran's modernized refinery plant, we use Lube-cut obtained from domestic petroleum oil refineries, to produce virgin mineral base oils Base oil Group I. High quality low oil paraffin waxes are also produced by "sweating process" which is in compliance with the environmental health care.

CHARACTERISTICS OF SN 90

Specification	Test Method	Min.	Typical	Max.
Kinematic Viscosity @ 40 ℃ cSt	ASTM D-445	-	20	-
Kinematic Viscosity @ 100℃ cSt	ASTM D-445	3.5	-	4.2
Viscosity Index	ASTM D-2270	-	100	-
Flash Point (COC) ℃	ASTM D-92	170	-	-
Pour Point ℃	ASTM D-97	-	-	-6
Carbon residue (conradson) Wt%	ASTM D-189	-	0.05	-
Total Acid Number mgKOH/g	ASTM D-664	-	-	0.05
Demulsibility	ASTM D-1401	-	Pass	-
Sulfur Content	ASTM D-1552	0.15	-	0.6
Color	ASTM D-1500	-	0.5	1
Density @ 15℃ Kg/m^3	ASTM D-4045	-	870	-
Copper Corrosion (3 hrs@ 100℃)	ASTM D-130	-	-	1A
Foam ml	ASTM D-892	-	Nil	-

www.behranoil.com , E-mail: export@behranoil.com
Fax: +98 21 22264302

CHARACTERISTICS OF SN 150

Specification		Test Method	Min	Typ.	Max.
Kinematic Viscosity @40 ℃	cst	ASTM D-445	-	32	-
Kinematic Viscosity @100 ℃	cst	ASTM D-445	4.2	-	5.6
Viscosity Index		ASTM D-2270	-	100	-
Flash Point (COC)	℃	ASTM D-92	190	-	-
Pour Point	℃	ASTM D-97	-	-	-6
Carbon residue (conradson)	Wt%	ASTM D-189	-	0.06	-
Total Acid Number	mgKOH/g	ASTM D-664	-	-	0.05
Demulsibility		ASTM D-1401	-	Pass	-
Sulfur Content	Wt%	ASTM D-1552	0.15	-	0.6
Color		ASTM D-1500	-	0.5	1
Density@15 ℃	Kg/m^3	ASTM D-4052	-	875	-
Copper Corrosion(3 hrs @ 100 ℃)		ASTM D-130	-	-	1A
Foam	ml	ASTM D-892	-	Nil	-

CHARACTERISTICS OF SN 350

Specification		Test Method	Min	Typ.	Max.
Kinematic Viscosity @40 ℃	cst	ASTM D-445	-	75	-
Kinematic Viscosity @100 ℃	cst	ASTM D-445	8	-	9.3
Viscosity Index		ASTM D-2270	-	95	-
Flash Point (COC)	℃	ASTM D-92	220	-	-
Pour Point	℃	ASTM D-97	-	-	-6
Carbon residue (conradson)	Wt%	ASTM D-189	-	0.06	-
Total Acid Number	mgKOH/g	ASTM D-664	-	-	0.05
Demulsibility		ASTM D-1401	-	Pass	-
Sulfur Content	Wt%	ASTM D-1552	0.15	-	0.6
Color		ASTM D-1500	-	2	-
Density@15 ℃	Kg/m^3	ASTM D-4052	-	880	-
Copper Corrosion(3 hrs @ 100 ℃)		ASTM D-130	-	-	1A
Foam	ml	ASTM D-892	-	Nil	-

CHARACTERISTICS OF SN 500

Specification		Test Method	Min	Typ.	Max.
Kinematic Viscosity @40 ℃	cst	ASTM D-445	-	96	-
Kinematic Viscosity @100 ℃	cst	ASTM D-445	10.2	-	11.5
Viscosity Index		ASTM D-2270	-	95	-
Flash Point (COC)	℃	ASTM D-92	230	-	-
Pour Point	℃	ASTM D-97	-	-	-6
Carbon residue (conradson)	Wt%	ASTM D-189	-	0.08	0.15
Total Acid Number	mgKOH/g	ASTM D-664	-	-	0.05
Demulsibility		ASTM D-1401	-	Pass	-
Sulfur Content	Wt%	ASTM D-1552	-	0.7	-
Color		ASTM D-1500	-	2.5	-
Density@15 ℃	Kg/m^3	ASTM D-4052	-	885	-
Copper Corrosion(3 hrs @ 100 ℃)		ASTM D-130	-	-	1A
Foam	ml	ASTM D-892	-	Nil	-

Packaging

Bulk

208 liter new steel drum