

# CIRCULATING OILS FOR BEARING SYSTEMS AND STEAM CYLINDER OILS

- *Gandar*
- *Sebana Series*
- *Sebana P Series*
- *Silinap Series*
- *Medripal Series*

## GANDAR 800 PELUMAS ASPOT GERBONG KERETA API

Characteristic	GANDAR 800
ISO Viscosity Grade	460
Specific density, 15 °C	0.8964
Viscosity Kinematic, at 40 °C, cSt	460.3
at 100 °C, cSt	30.42
Viscosity Index	95
Colour ASTM	L1.5
Flash Point, (COC) °C	594
Pour Point, °C	-9

## SEBANA PELUMAS BANTALAN INDUSTRI

TYPICAL CHARACTERISTIC

KARAKTERISTIK TIPIKAL

Characteristic	Sebana 90	Sebana 120	Sebana 170	Sebana 300
No. SAE Viscosity Grade	100	220	320	680
Viscosity Kinematic, at 40 °C, cSt	99.82	221.02	320.58	623.92
at 100 °C, cSt	11.20	18.99	23.97	37.65
Viscosity Index	97	96	95	97
Specific density, 15 °C	0.8846	0.8946	0.8983	0.9022
Colour ASTM	1.0	L1.0	L1.5	Dark
Flash Point, (COCC) °C	258	226	268	321
Pour Point, °C	-9	-9	-9	-9

# SEBANA P PELUMAS BANTALAN INDUSTRI

## TYPICAL CHARACTERISTIC

## KARAKTERISTIK TIPIKAL

Characteristic	Sebana P-9	Sebana P-22	Sebana P-32	Sebana P-46	Sebana P-68
No. SAE Viscosity Grade	9	22	32	46	68
Viscosity Kinematic, at 40 °C, cSt	9.4	22.8	32.3	46.3	68.1
at 100 °C, cSt	2.3	4.4	5.3	6.7	8.7
Viscosity Index	50	101	99	99	99
Specific density, 15 #C	0.884	0.870	0.875	0.875	0.878
Colour ASTM	L0.5	0.5	0.5	0.5	L1.0
Flash Point, (COC) °C	159	204	240	240	255
Pour Point, °C	-42	-18	-9	-9	-9

Characteristic	Sebana P-100	Sebana P-150	Sebana P-220	Sebana P-320	Sebana P-460
No. SAE Viscosity Grade	100	150	220	320	460
Viscosity Kinematic, at 40 °C, cSt	99.1	142.55	210.24	309.39	440.95
at 100 °C, cSt	11.1	14.05	18.20	23.48	29.59
Viscosity Index	97	95	95	95	95
Specific density, 15 #C	0.881	0.886	0.890	0.893	0.898
Colour ASTM	L1.0	1.0	1.0	L2.5	L1.5
Flash Point, (COC) °C	273	278	280	292	308
Pour Point, °C	-9	-9	-9	-9	-9

# SILINAP MINYAK SILINDER MESIN UAP

## TYPICAL CHARACTERISTIC

## KARAKTERISTIK TIPIKAL

Characteristic	Silinap 160 M	Silinap 220 M	Silinap 280 M
No. SAE Viscosity Grade	460	1000	1500
Viscosity Kinematic, at 40 °C, cSt	480.64	1000.32	1374.26
at 100 °C, cSt	31.29	58.75	57.6
Viscosity Index	95	90	90
Specific density, 15 °C	0.9026	0.9279	0.9262
Colour ASTM	L2.0	Dark	Dark
Flash Point (COC), °C	312	334	329
Pour Point, °C	9	-6	-6

# MEDRIPAL 2,3,4,5,6

## PELUMAS BANTALAN MESIN DIESEL

### TYPICAL CHARACTERISTIC

### KARAKTERISTIK TIPIKAL

Characteristic	Medripal 2	Medripal 3	Medripal 4	Medripal 5	Medripal 6
No. SAE Viscosity Grade	68	100	150	220	320
Viscosity Kinematic, at 40 °C, cSt	65.38	107.37	144.20	221.10	292.60
at 100 °C, cSt	8.58	11.79	14.37	18.91	22.87
Viscosity Index	102	98	97	96	97
Specific density, 15 °C	0,8814	0,8837	0,8867	0,8899	0,8932
Colour ASTM	1.0	L1.0	L1.5	L2.5	L1.5
Flash Point (COC), °C	248	260	262	268	272
Pour Point, °C	-21	-18	-15	-9	-9