

 *Guaranteed Product Quality*

 *High Blending Efficiency*

 *Reliable Supply*

# ***THE PERFORMING BASE OF YOUR PRODUCTS***

*LPC BASE OIL*

**PROBASE | PLUSBASE | SYNBASE**

**Lpc**  
Lubricants & Petroleum Corporation

# ***LPC BASE OIL***

LPC based on its production capacity offers a full range of consistently high-quality base stocks, designed to cover your base oil and lubricant blending needs.

Learn how to win

**High blending  
efficiency**



Learn how to win

**Guaranteed product  
quality**



Learn how to win

**Reliable supply &  
flexible logistics**





### WHY PROBASE IS SUPERIOR?

High Viscosities @40°C

Improved solvency

Inherent oxidation resistance

Straight run fraction

### HOW CAN YOUR BUSINESS BENEFIT?

- ✓ Simplified formulations
  - ISO 32/SAE 10W only with SN 150
  - ISO 100/SAE 30 only with SN 500
- ✓ Excellent additive response with all types of additives, viscosities, synthetic components
- ✓ Less requirement for thickener (greases)

- ✓ High temperature stability even when antioxidants are exhausted
- ✓ Very low color
- ✓ Odorless
- ✓ Low toxicity

- ✓ Consistent product quality
- ✓ Reliable behavior in service with reduced cost
- ✓ Proven performance (DIN specs, Marine approval field tests)



SN150

SN500

BS

SN 2000

PROPERTIES	SN 150	SN 500	BS	SN 2000
Odor	Oily	Oily	Oily	Oily
Appearance	B&C	B&C	B&C	B&C
Color	0,5	1,5	5,0	L5,0
Specific gravity 15°C	0,877	0,887	0,905	0,898
Viscosity @ 100 °C, cSt	5,3	10,4	30	25,5
Viscosity @ 40 °C, cSt	32	91	450	340,2
Viscosity Index	96	95	95	98
Flash point, COC, °C	212	240	290	280
Pour point, °C	-6	-6	-6	-6
Water, ppm	Max 80	Max 80	Max 80	0
Sulfur, % wt	0,5	0,6	1,3	0,45
CCS@-20°C, cp	2800	-	-	-
Volatility (Noack), wt %	15	5,9	-	-
Saturates, %	>65	>60	-	-

The above-mentioned figures are typical and subject to production fluctuation

# PLUSBASE

## SN 150+ | SN 350+

Group I+

Ideal application for automotive multigrade and HVI industrial oils



### WHY PLUSBASE IS SUPERIOR?

Higher Saturates Content

High Viscosity Index

Low Sulfur Content

Low volatility

Superior Cranking Viscosity

### HOW CAN YOUR BUSINESS BENEFIT?

- ✓ Fully licensable ACEA E7-16 & API CI-4/SL 15W40
- ✓ No GRP III required (15W40)
- ✓ No antioxidant required
- ✓ Comparable performance with GRP II

- ✓ Low color, crystal clear
- ✓ Odorless
- ✓ Production simplicity:
  - 15W40: only with SN 350+, no GRP III required
  - 10W40: less GRP III required
  - ISO 46: only with SN 350+

- ✓ Finished lubes with far superior low temperature performance (CCS)
- ✓ Improved shear stability
- ✓ Up to 25% less Viscosity Modifier (engine oils, HVI hydraulic applications)

Less Viscosity modifier and less GRP III needed with PLUSBASE vs common GRP I

10W-40

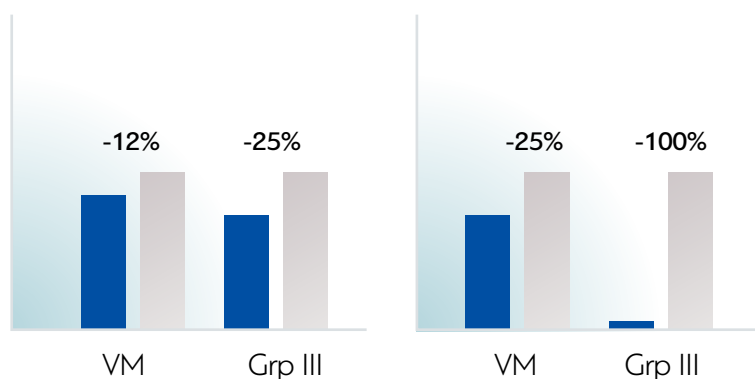
15W-40



SN150+



SN350+



PROPERTIES	SN 150+	SN 350+
Odor	Oily	Oily
Appearance	B&C	B&C
Color	0.5	1.0
Specific gravity 15°C	0,85	0,857
Viscosity @ 100 °C, cSt	5	7,4
Viscosity @ 40 °C, cSt	26,6	48,6
Viscosity Index	114	114
Flash point, COC, °C	218	246
Pour point, °C	-9	-9
Sulfur, % wt	0,08	0,1
CCS@ -20°C, cp	1200	3200
CCS@ -25°C, cp	2600	-
Volatility (Noack), wt %	13	3,8
Saturates, %	>83	>82

The above-mentioned figures are typical and subject to production fluctuation



### WHY SYNBASE IS SUPERIOR?

### HOW CAN YOUR BUSINESS BENEFIT?

High Viscosity Index

Very low Pour Point

Low NOACK

Fully saturated

✓ Excellent shear/oxidation/  
thermal stability at  
extreme temperatures

✓ Ideal for excellent  
low-temp properties  
and light grade  
applications

✓ Low volatility and, therefore, less oil loss  
in higher temperatures  
✓ Further, facilitates fuel economizing

✓ Fully saturated, meaning virtually  
free of aromatics, polar compounds  
and Sulphur.  
✓ Colorless, odorless.

SYNBASE average comparison with key competition

Pour Point

NOACK

-18%      -19%

-5%      -11%

HC6

HC4

HC6

HC4



HC4



HC6

PROPERTIES	HC4	HC6
Appearance	B&C	B&C
Color	L0.5	L0.5
Specific gravity 15°C	0,826	0,847
Viscosity @ 100 °C, cSt	4,4	6,1
Viscosity @ 40 °C, cSt	20,2	34,3
Viscosity Index	130	127
Flash point, COC, °C	230	238
Pour point, °C	-18	-15
Sulfur, % wt	<0,0015	<0,0015
CCS@-30°C, cp	1450	4750
Volatility (Noack), wt %	13,7	6,5

The above-mentioned figures are typical and subject  
to production fluctuation

# LEARN HOW TO WIN WITH RELIABLE SUPPLY

LPC's production capacity ensures prompt product availability.  
Take advantage of LPC's steady supply.

## Thessaloniki

Available Packaging:  
truck  
isotank

## Alexandroupoli

Available Packaging:  
truck  
isotank

## Corinthos

Available Packaging:  
truck  
isotank  
flexitank

## Aspropyrgos

Available Packaging:  
truck  
isotank  
flexitank



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