

LIST OF ABBRIVATIONS

HL	Hydrodynamic lubrication.
EHL or EHD	Elastohydrodynamic lubrication
VI	Viscosity index.
SAE	Society American Engineering.
PMA s	Polymethacrylates.
OCP s	Olefin copolymers.
HSD	Hydrogenated poly styrene-co-butadiene.
SIP	Hydrogenated poly styrene-co-isoprene.
SPE	Styrene polyester.
ZDDP s	Zinc dithiophosphates.
CHP	Cumene hydroperoxide.
BPO	Benzoyl peroxide.
AIBN	Azo bisisobutyro nitrile.

PTSA	p.Toluene sulphonic acid monohydrate.
I.R.Spectrum	Infra red spectrum.
F.T.I.R.	Spectrometer Model Type Mattson Infinity Series Top 961.
GPC	Gel permeation chromatography.
ASTMD	American Society of Testing and Materials.
(CFPPA-T)	Cold Filter Plugging Point Automatic Tester.
¹HNMR	Nuclear magnetic resonance of hydrogen atom.
PP	Pour Point.
A	Prepared compound of styrene-maleic anhydride copolymer with dodecyl alcohol.
B	Prepared compound of styrene-maleic anhydride copolymer with hexadecyl alcohol.
C	Prepared compound of styrene-

maleic anhydride copolymer with octadecyl alcohol.

D Prepared compound of styrene-maleic anhydride copolymer with docosanol.

E Prepared compound of styrene-maleic anhydride copolymer with dodecyl amine.

F Prepared compound of styrene-maleic anhydride copolymer with hexadecyl amine.

G Prepared compound of styrene-maleic anhydride copolymer with octadecyl amine.

L Prepared compound of octadecene-maleic anhydride copolymer with dodecyl alcohol .

M Prepared compound of octadecene-maleic anhydride copolymer with hexadecyl alcohol.

N Prepared compound of octadecene-maleic anhydride copolymer with octadecyl alcohol.

O Prepared compound of octadecene-maleic anhydride copolymer with docosanol .

R Prepared compound of octadecene-maleic anhydride copolymer with dodecyl amine.

S Prepared compound of octadecene-maleic anhydride copolymer with hexadecyl amine.

T Prepared compound of octadecene-maleic anhydride copolymer with octadecyl amine.

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