

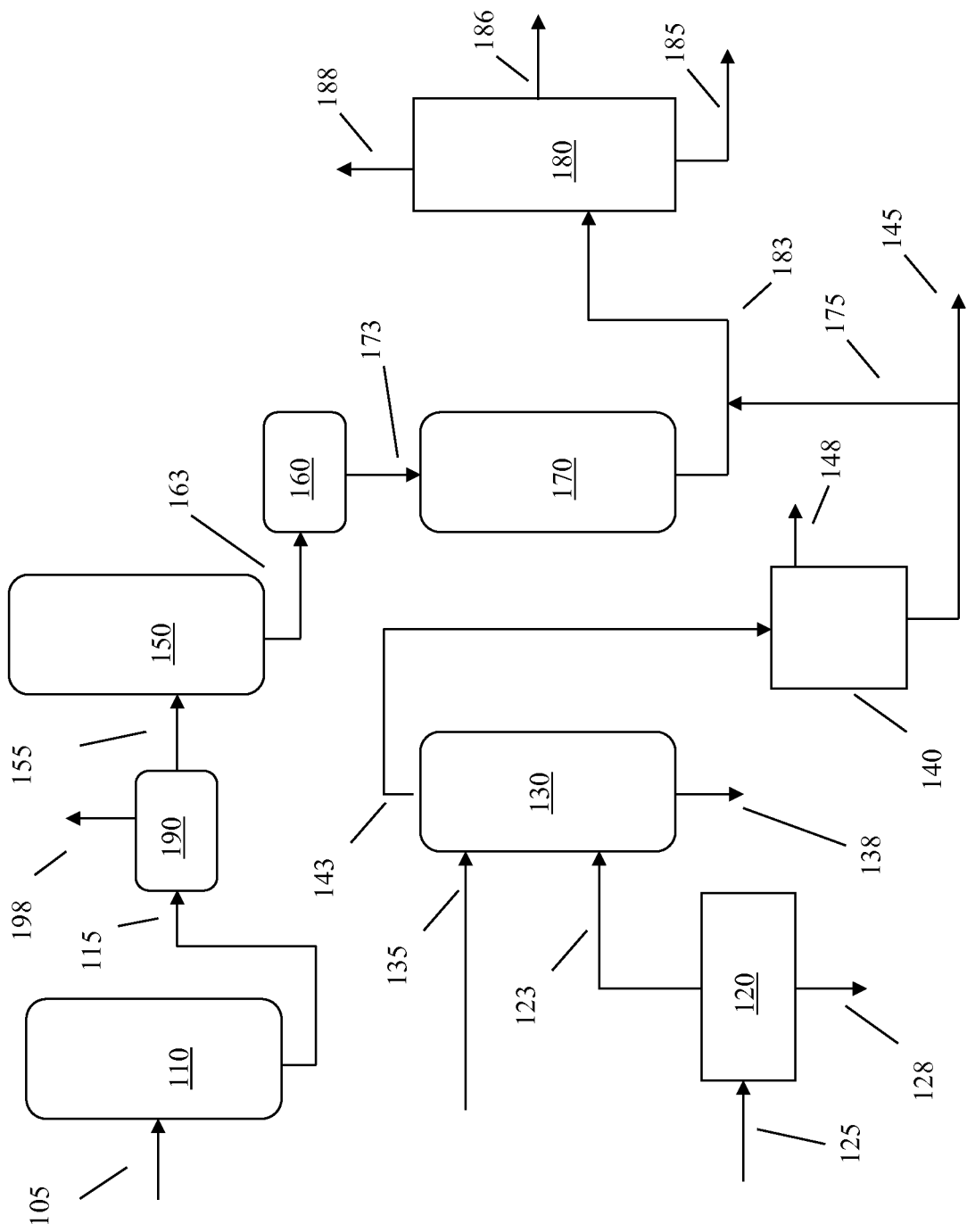


FIG. 1

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	Units	ASTM Test Method	Group II LN	Group I LN A	Group I LN B	Group I HN A	Group I HN B
Color (ASTM)	-	D1500	0	1.0	0.5	L1.0	1.0
Color (Saybolt)	-	D6045	> 30	< -16	3	<-16	<-16
KV at 100°C	cSt	D445	4.593	5.235	5.1755	12.34	12.09
VI	-	D2270	117	101	96	96	96
Pour Point	°C	D97	-18	-15	-15	-9	-3
CCS at -25°C	mPa•s	D5293	1320	3860	n/a	80140	n/a
Emulsion at 54°C (to 3 ml)	min	D1401	5	n/a	n/a	n/a	n/a
Sulfur UV	ppmw	D2622	< 3	3608	2228	5720	3906
Absorbance at 226 nm	L/g cm	-	0.01	6.05	4.60	6.62	6.83

FIG. 2

	Test Method (ASTM)											
Group II LN		100.0	99.5	99.5	99.0	99.1	99.5	99.25				
Group I LN A			0.5									
Group I LN B				0.5	1.0							
Group I HN A						0.9	0.5					
Group I HN B								0.75				
Color (ASTM)	D1500	0	0	0	0	0	0	0				
Color (Saybolt)	D6045	>30	>30	30	>30	28	30	28				
KV at 100°C (cSt)	D445	4.593	4.573	4.569	4.574	4.623	4.603	4.613				
Viscosity Index	D2270	117	116	116	116	117	117	117				
Pour Point (°C)	D97	-18	-15	-15	-18	-15	-15	-15				
CCS at -25°C (mPa-s)	D5293	1320	1310	1300	1320	1330	1300	1320				
Emulsion at 54°C (to 3 ml) (min)	D1401	5	5	5	5	5	5	5				
Sulfur (ppmw)	D2622	<3	20	13	24	54	31	32				
UV Absorbance at 226 nm (L/g cm)		0.01	0.04	0.04	0.06	0.05	0.07	0.06				

FIG. 3

	Test Method (ASTM)											
Group II LN		83.21	82.71	82.71	82.21	82.31	82.71				82.46	
Group I LN A			0.5									
Group I LN B												
Group I HN A				0.5	1.0							
Group I HN B						0.9	0.5					
Additives		16.79	16.79	16.79	16.79	16.79	16.79				0.75	
KV at 100°C (cSt)	D445	10.04	10.02	10.05	10.01	10.07	10.04				10.05	
Pour Point (°C)	D97	-42	-42	-42	-39	-39	-39				-36	
CCS at -25°C (mPa-s)	D5293	3840	3900	3930	3940	4030	3790				3920	
MRV at -35°C Viscosity (mPa-s)	D4684	12000	12200	12100	11600	12600	12200				12800	
MRV at -35°C yield stress (Pa)	D4684	<35	<35	<35	<35	<35	<35				<35	
HTHS at 150°C (mPa-s)	D4683	2.931	2.906	2.938	2.946	2.950	2.930				2.939	
Gel index	D5133	7.5	6.7	6.6	6.7	7.5	6.9				7.9	

FIG. 4

[illegible]

FIG. 5

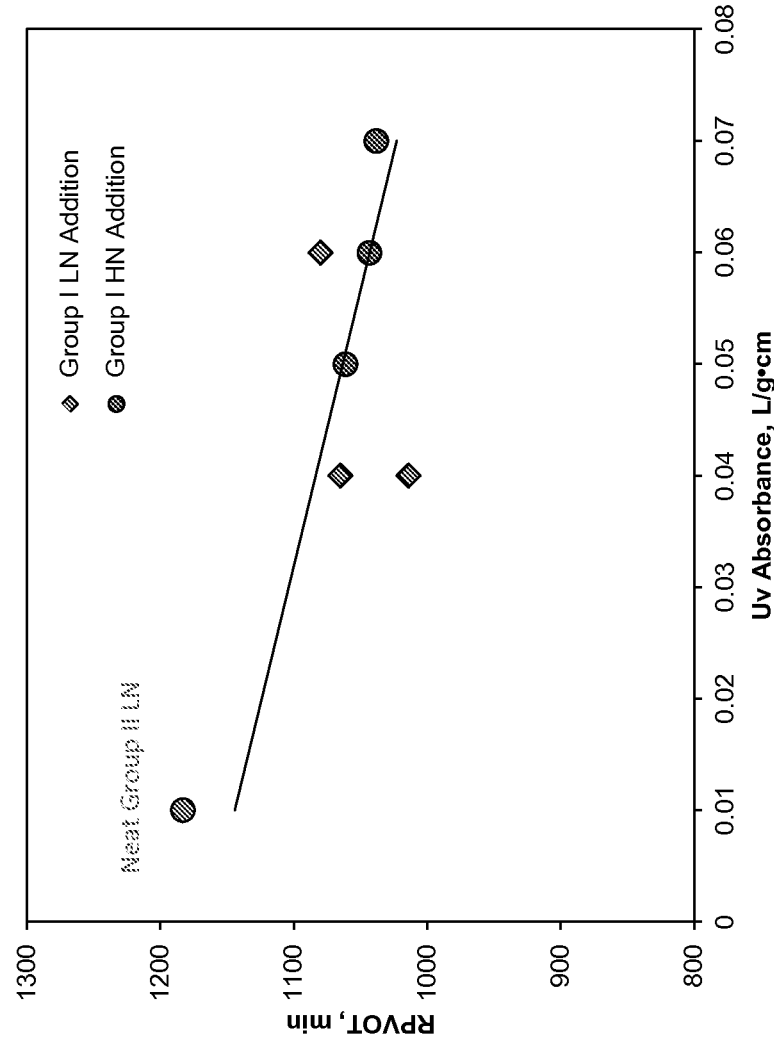


FIG. 6