

Lubrication Technologies, Inc.

Lube Base Oils Reference Center Data

API Group II Lube Base Stocks



Bradford, PA

Base Stock

Nominal Viscosity at 100C, cSt (actual viscosity in parenthesis below the product name/number designation)

KENDEX 165 HTLV

4 6 12
(5.2)



Calumet Specialty Products, L.P.

Shreveport, LA

Base Stock

Nominal Viscosity at 100F, SUS

Calpar

100 150 200 300 500 600
100 150 325
(105.4) (159.4) (336.4)



Richmond, CA

Base Stock

Nominal Viscosity at 100F, SUS

GROUP II

100 150 200 300 500 600
100R 145R, 150R 220R 600R
(107) (149),(153) (214) (590)

GROUP II+

110RLV 5R
(113) (124)

Note: Chevron has recently discontinued 5R and is selling 110RLV as the replacement

Click on the Chevron logo above which will take you to the Chevron web site for complete specifications for Chevron base oils.



Westlake, LA

Base Stock

	Nominal Viscosity at 100C, cSt					
	2	3	4	6	8	10
Pure Performance		70N*, 80N*	110N	225N		600N
		(2.96), (3.08)	(4.15)	6.5		(12.2)

* 70N & 80N meet Group II requirements for sulfur and saturates but may fall below 80 for VI



Newell, WV

Base Stock

	Nominal Viscosity at 100F, SUS					
	100	150	200	300	500	600
Hygold	P100N			P300N		
	(116.9)			(313)		



Baton Rouge, LA; Baytown, TX; Beaumont, TX; Jurong, Singapore; Wakayama, Japan

Base Stock

	Nominal Viscosity at 100C, cSt					
	2	3	4	5	6	8
EHC	20	30	45	50	60	110
	(2.7)	(3.5)	(4.6)	(5.4)	(6.0)	(10.5)



Westlake, LA

Base Stock

	Nominal Viscosity at 100C, cSt			
	3	4	6	12
	70-HC, 75-HC*	100-HC	230-HC	600-HC
	(2.99) (3.14)	(4.19)	(6.42)	(12.0)

* 70-HC & 75-HC meet Group II requirements for sulfur and saturates but may fall below 80 for VI



Port Arthur, TX

Base Stock	2	3	4	5	Nominal Viscosity at 100C, cSt							
					6	8	10	12	14	28	40	100
GROUP II												
Star		3 (3.0)	4 (4.2)		6 (6.39)			12 (12.1)				
GROUP II+												
Star			5+ (4.7)									



Mississauga, Ontario, Canada

Base Stock	2	3	4	Nominal Viscosity at 100C, cSt								
				5	6	8	10	12	14	28	40	100
Purity		L60, L65 (2.75), (2.6)	1003*, 1017, 1020 (4.4), (4.24), (4.16)		2204 (6.4)	3501 (8.87)	5300 (11.4)					

* Note: Purity 1003 is Group II+



Yeosu, South Korea

Base Stock	Nominal Viscosity at 100C, cSt											
	2	3	4	5	6	8	10	12	14	28	40	100
Kixx LUBO				150N (5.35)	220N (7.30)			600N (12.15)				



SK Lubricants, Ulsan, South Korea

Base Stock	Nominal Viscosity at 100C, cSt											
	2	3	4	5	6	8	10	12	14	28	40	100
		L3, 3 (3.12)										

VI less than minimum 120 required for Group III



Melaka, Malaysia

Base Stock

Nominal Viscosity at 100C, cSt

2	4	6	8	10	12	14	28	40	100	150
				M500 (10)						



Formosa PetroChemical Corp., Mailiao, Taiwan

Base Stock

2	3	4	5	6	8	10	12	14	28	40	100
			150N GII+ (5.2)			500N GII (11)					



Onsan, South Korea

Base Stock

Nominal Viscosity at 40C, cSt

	2	4	6	8	10	20	30	50	100
Premium				P-8 (7.5) 60N		P-20 (20.3) 100N	P-31 (30.1) 150N		P-96 (95.8) 500N
Super				S-8 (8.2)			S-32 (30)		S-96 (96.7)

Base Stock

Nominal Viscosity at 100C, cSt

	2	4	6	8	10	20	30	50	100
Ultra-S	2 (2.2)	3 (3.3)							

* Ultra-S 2 and Ultra-S 3 are Group III type but do not meet minimum 120 VI for Group III and therefore are Group II base oils.



Modrica, Bosnia and Herzegovina

Base Stock

				Nominal Viscosity at 100C, cSt							
2	3	4	5	6	8	10	12	14	28	40	100
Trafo Baza (2.7)	HC-3 (3)	HC-4 (4)									



PetroChina (CNPC), China

Base Stock

Nominal Viscosity at 100C, cSt											
2	3	4	5	6	8	10	12	14	28	40	100
2			5						KH 150		
(2.52)			(5.78)						(33.2)		



Houston, TX

Base Stock

				Nominal Viscosity at 100C, cSt							
2	3	4	5	6	8	10	12	14	28	40	100



Haldia, India

Base Stock

10	20	32	Nominal Viscosity at 40C, cSt				
H-70		H-150	46	68	100	150	500
					H-500		



H&R Chempharm GmbH, Salzbergen, GERMANY

		<i>Nominal Viscosity at 100C, cSt</i>						
		2	3	4	6	8	10	12
				Pionier 4127				
				(SN150)				
				(5.3)				