



**SAN JOAQUIN REFINING CO., INC.**

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**Naphthenic Lube/Process Oils  
Product Data Sheet**

Typical Properties	ASTM Method	HYNAP®						
		N40HT	N60HT	N100HTS	300	500	2000	4000
Viscosity, SUS @ 100F	D2161	40.8	60.2	109	304	500	1953	4140
Viscosity, SUS @ 210F	D2161	31.2	34.0	38.4	45.8	51.0	75.8	99
Viscosity, cSt @ 40C	D445	4.28	9.63	20.50	57.60	91.0	349.5	723
Viscosity, cSt @ 100C	D445	1.53	2.31	3.58	5.80	7.38	13.93	19.27
API Gravity	D287	29.7	28.0	26.0	21.0	19.8	18.3	15.7
Specific Gravity @ 60F	D1250	0.8778	0.8871	0.8984	0.9279	0.9352	0.9446	0.9613
Density, lb/gal @ 60F	D1250	7.309	7.387	7.481	7.727	7.788	7.866	8.005
Color	D1500	L0.5	L0.5	L0.5	L2.0	L4.0	L3.0	L4.0
Flash, COC, F	D92	260	280	345	390	390	440	455
Pour Point, F	D97	<-60	-50	-30	-2	-3	30	40
Aniline Point, F	D611	153	165	176	157	155	163	148
Refractive Index @ 20C	D1218	1.4821	1.4819	1.4883	1.5109	1.5158	1.5229	1.5332
Neut. No., mg KOH/g	D974	<0.05	<0.05	<0.05	0.08	0.07	0.07	0.12
Sulfur, w%	D2622	<0.003	<0.003	<0.003	0.04	0.04	0.55	0.60