

TO: LARRY CORNELIUS.

NYE LUBRICANTS, INC. **TEST REPORT - OILS**

PRODUCT: Ucon LB1145-XY24/Y24

	Property	Method	LB1145-XY24	LB1145-Y24
1	Color	Visual	amber	light straw
2	Kinematic Viscosity, cs	ASTM D-445		
	0C		3484	2936
	40C		248.2	231.4
	100C		38.08	37.72
3	Viscosity Index	ASTM D-2270	206	215
4	Flash Point, C	ASTM D-92	302	262
5	Pour Point, C	ASTM D-97	-32	-36
6	Specific Gravity	ASTM D-1217 (modified)	0.9987	0.9936
7	Refractive Index @ 25°C	ASTM D-1218	1.4548	1.4500
8	TGA			
	2 hrs. @ 200°C in air		79.38% wt. loss	96.14% wt. loss
9	PDSC, induction time, minutes			
	@ 210°C		4.59	MINUTES
	@ 180°C		49.53	3.18 4
	@ 155°C			9.81 13
	@ 130°C		no exotherm (1440 min.)	88.75 100
10	4-ball Wear	ASTM D-4172		Y24 Y23
	1 hr. @ 75°C, 1200 rpm, 40 kg.	scar diameter, mm.	0.68	0.68
		coefficient of friction	0.0747	0.0751
11	GPC, molecular weight		4920	5061

REFERENCE:

Form: NLI-32

Rev: New

Date (orig.): 6/11/97

Date (rev.):