NATHAN MANUFACTURING COMPANY

4-DV---------- STANDARD PRACTICE ---------- May 6, 1948

DV LUBRICATOR

Test Specifications

DV Pumping Units, Single, Standard Dia. (.315" - .317")

1. Applicable Pumping Units

Piston	D-20835	Piston	D-20835
Cylinder	D-21321	Cylinder	D-21170

2. Test Conditions

Oil, mineral, viscosity	300 SSU @ 100°F.
Oil, test temperature	70° - 90° F.
Discharge pressure	500 psi
Stroke, full open	.316" - .319"
Return spring	Drg. D-21886
Ratchet speed	14 & 4 RPM
Ratchet angle	30°

3. Test Runs

(a)

Speed	14 RPM
No. of strokes	80
Discharge-Max.	32 cc.
Discharge-Min.	26 cc.

(There must be no indication of sticking pistons)

(b)

Speed	4 RPM
No. of strokes	40
Discharge-Max.	16 cc.
Discharge-Min.	12 cc.

(There must be no indication of sticking pistons)

4. Piston stroke must be accurately measured. When the full stroke of .316" - .319" can not be obtained on the test lubricator, the acceptable minimum discharge may be revised downward according to the charts shown on Standard Practice 3-DV.

C. F. Erikson
Chief Engineer