MATERIAL REPORT

REPORT NUMBER:  KK2166
DATE:  1/16/92

TITLE: Evaluation of Parker Compound N1195-70
PURPOSE: To obtain general information.

Recommended temperature limits:  -25°F to 300/325°F

Recommended For
Refrigerants
Petroleum based hydraulic oil, motor oil, transmission fluid, grease
R134a
Water/glycol/steam
HFA, HFB, and HFC fluids
Ozone, aging, and weather resistance

Not Recommended For
Polar solvents (ketones and esters)
Strong acids
Chlorinated hydrocarbons
Auto and aircraft brake fluids
REPORT DATA
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ORIGINAL PHYSICAL PROPERTIES
ASTM D2240, Hardness, Shore A, pts. 73
ASTM D412, Tensile Strength, (MPa) psi 21.1 (3070)
ASTM D412, Ultimate Elongation, % 400
ASTM D412, Tensile Stress @ 100% Elongation, MPa (psi) 2.9 (420)

ASTM D471, FLUID IMMERSION
DEXTRON 11 ATF
504 HRS @ 150° C (300° F)
Hardness Change, pts. -3
Tensile Strength Change, % -16
Ultimate Elongation Change, % -20
Tensile Stress @ 100% Elongation, % +12
Volume Change, % +9

ASTM D471, FLUID IMMERSION
INIFLEX 1023, 5W30 ENGINE OIL,
504 HRS @ 150° C (300° F)
Hardness Change, pts. -2
Tensile Strength Change, % +14
Ultimate Elongation Change, % -24
Tensile Stress @ 100% Elongation, % +25
Volume Change, % +7

ASTM D471, FLUID IMMERSION
UNICAL MP 80W90 GEAR LUBE,
504 HRS @ 150° C (300° F)
Hardness Change, pts. +7
Tensile Strength Change, % -4
Ultimate Elongation Change, % -29
Tensile Stress @ 100% Elongation, % +82
Volume Change, % +4

ASTM D471, FLUID IMMERSION
POWER STEERING FLUID
504 HRS @ 150° C (300° F)
Hardness Change, pts. 0
Tensile Strength Change, % -42
Ultimate Elongation Change, % -39
Tensile Stress @ 100% Elongation, % +28
Volume Change, % +6

Parker O-Ring Division
2360 Palumbo Drive
Lexington, Kentucky 40509
(859) 269-2351
R134a FREON, 50psi PRESSURE,
SPECIMENS LUBRICATED WITH
APOLLO DAPHNE HERMETIC OIL, FD-46XG PAG OIL
168 HRS @ ROOM TEMPERATURE
Hardness Change, pts.     -4
Tensile Strength Change, % -43
Ultimate Elongation Change, % -28
Tensile Stress @ 100% Elongation, % -15
Volume Change, %          +7

ASTM D471, FLUID IMMERSION
ASTM REFERENCE OIL NO. 3
504 HRS @ 150° C (300° F)
Hardness Change, pts.     -10
Tensile Strength Change, % -7
Ultimate Elongation Change, % -3
Tensile Stress @ 100% Elongation, % -11
Volume Change, %          +21