



PRODUCT DATA SHEET

Pennwood R&O Hydraulic Series

The **Pennwood R&O Hydraulic Series** are highly refined, premium quality hydraulic oils recommended for use in a wide range of applications, including hydraulic systems, mining equipment, and lightly loaded gear sets, as well as for general lubrication.

These high performance products are available in a wide range of viscosities that are tailored to meet industrial requirements, rotary air compressors, non anti-wear hydraulic and circulating systems as well as non EP applications. They have good oxidation resistance, rust and corrosion protection and resistance to foaming.

Typical Properties	32	46	68	100	150	220
Gravity, API (D287)	31.6	30.3	28.2	30.2	27.5	27.2
Viscosity, ASTM D 445, cSt @ 40° C	33.8	45.3	68.2	103.7	152.1	225.4
cSt @ 100° C	5.3	6.8	8.8	11.3	14.5	18.2
Viscosity Index, ASTM D 2270	99	99	99	97	94	94
Demulsibility, 54.5° C, Min	20	20	20	20	20	20
Oxidation Stability, TOST (D943)	2,500	2,500	2,500			
Color, (D1500)	1.0	1.5	1.5	3.0	3.5	4.0
Copper Corrosion 3 hrs @ 100° C	1A	1A	1A	1A	1A	1A
Rust Test (D665)	Pass	Pass	Pass	Pass	Pass	Pass
Flash Point, COC, ASTM D 92, ° F	406	409	409	414	448	468
Pour Point, ASTM D 97 (°C)	-30	-30	-26	-15	-9	-9

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All reasonable care has been taken to ensure that the information herein is accurate as of the date of printing. The test results listed are typical properties only. DENNISON LUBRICANTS, INC. strives for continuing improvement in all of our products. Slight formula and blending changes may result in minor color and/or appearance changes.