

### IPOL HYDROPAC R&O OILS

#### Description:

IPOL Hydropac R&O oils meeting ISO VG-32 to 460 requirements are blended using highly refined virgin base oils and specially selected anti-oxidant and antirust additives.

#### Application:

IPOL Hydropac R&O oils are recommended for use in circulating systems operating upto 70kg/cm<sup>2</sup>. These oils are intended for use as a hydraulic fluid in machine tools, hydraulic presses, Battery manufacturing plants, Die casting machines, production shops, printing works and various other machines where oil is recommended as a hydraulic medium to ensure fast, smooth and reliable machine operation with minimum power consumption.

#### Performance Claims:

IS 3098 - 83 (Re-affirmed)  
DIN 51524 (Part I)

#### Performance Benefits:

1. Rust protection to system internals.
2. Resistance to foaming to ensure prompt functioning.
3. Reduction in inventory as these are multipurpose products.

## Product Data

### Typical Results: IPOL HYDROPAC R&O OILS

Characteristics	Test Method IS 1448	Results						
		R&O 15	R&O 22	R&O 32	R&O 46	R&O 68	R&O 100	R&O 150
Appearance	Visual	B R I G H T & C L E A R						
Viscosity at 40°C cSt	P:25	13.5 To 16.5	19.8 To 24.2	28.8 To 29.2	41.8 To 50.2	61.2 To 74.8	90 To 110	135 To 165
Viscosity Index (min.)	P:25	90	90	90	90	90	90	90
Flash Point COC°C (Min.)	P:69	150	160	180	180	210	210	230
Rust Preventive Characteristics	ASTM D 665B	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Pour Point	P:10	-3	-3	-3	-3	0	0	0
Oxidation test	ASTM D 943	Time to reach acidity of 2 mg/KOH/g of oil 1000 Hrs min.						750 hrs min.
Emulsion Characteristics.	ASTM D 1401	40- 37-3 (20)	40- 37-3 (20)	40- 37-3 (20)	40- 38-2 (20)	40- 37.3 (30)	40- 37.3 (30)	40- 37.3 (30)
Copper strip corrosion @ 100°C / 3 hrs	P:15	Not worse then no.1						

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