

# PRODUCT DATA SHEET



## QUENCHING OILS

### **PALQUENCH - S, C, H, HC,**

These are high quality, solvent refined, high viscosity index quenching oils, blended from highly refined base oils and selected additives for effective quenching and uniform hardening of metal components without metallurgical distortion. They have good oxidation and thermal stability, prevent formation of sludge, rust and corrosion and also offer long service life.

**PALQUENCH-S** is suitable for general purpose quenching operation of steel components such as nuts and bolts, ball bearings etc. manufactured by automobile and light engineering industry at bath temperature 50°C to 65°C.

**PALQUENCH-C** is recommended for quenching operation where compounded oil is preferred, viz. for quenching of variety of steel components in major industries, high speed steel tools, ball bearings, nuts, springs etc.

**PALQUENCH-H** is recommended for the mass production of high precision, high quality products viz. automotive gears and transmission components, bearing rings etc. at an optimum bath temperature up to 180°C.

**PALQUENCH-HC** is recommended for quenching operation where compounded oil is preferred at an optimum bath temperature up to 180°C.

**PERFORMANCE LEVEL:** IS 2664-1980, Straight Mineral Type, Compound Type & IS 4543-1977 (Reaffirmed 1987) specifications.

CHARACTERISTICS					
S. NO.	PROPERTIES	PALQUENCH			
		S	C	H	HC
1.	Kinematic Viscosity, cSt @ 40°C	26-30	26-30	210-230	95-115
2.	Kinematic Viscosity, cSt @ 100°C	4-6	4-6	17-19	11-13
3.	Flash Point, COC, °C, min.	180	190	240	240
4.	Quenching Time by Magnetic Quenchometer. (ASTM D 3520)	24	18	35	28
5.	Viscosity Index, min.	90	90	90	95

**\* The specifications are subject to variations/ development / customization.**

**PACKING:** 210L, 50L, 20L