

# PRODUCT DATA SHEET



## MONOGRADE DIESEL ENGINE OIL PHD-30, PHD-40 (CAPTAIN) & PHD-50

These oils are high quality performance **monograde** engine oils, meeting API: CF performance requirements, formulated from selected base oils and additives, to suit diesel engines.

### PRODUCT FEATURES

- ❖ PHD-30,40 & 50 oil viscosities are suitable for new, running and old engines respectively.
- ❖ High oxidation stability.
- ❖ Protects engine against, deposits, rust, corrosion and wear.
- ❖ Reduces formation of sludge in the engine.
- ❖ High detergency level, thus cleaner engine.
- ❖ Anti-scuffing properties.
- ❖ Increased oil drain period.

### APPLICATIONS

- ❖ Recommended for lubrication of all turbo- charged 4-stroke diesel engines, earth moving equipment / power generating sets operating under **severe duty** conditions.

**PERFORMANCE LEVEL:** IS 13656-2002(E-DL3), US MILITARY MIL-L-2104C, API: CF & MACK T-7 specifications.

CHARACTERISTICS				
S.NO.	PROPERTIES	PHD 30	PHD- 40 (CAPTAIN)	PHD-50
1.	Appearance	Clear Red	Clear Red	Clear Red
2.	Kinematic Viscosity, cSt @ 100°C	10-12.5	12.5-16	16.5-20
3.	Viscosity Index, min.	95	95	95
4.	Pour Point, °C, max.	-6	-6	-3
5.	Flash Point, COC, °C, min.	220	220	220
6.	TBN, mg. KOH/gm.	5-7	5-7	5-7

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

**PACKING:** PHD 40 (CAPTAIN) – 210L, 50L, 20L, 5L, 1L  
PHD 30&50 – 210L, 50L, 20L