

# Product Data Sheet

## HIPRO DX-3 SAE 10W, 30, 40, 15W-40, 20W-50 API CF-4/SG

Premium Heavy Duty Internal Combustion Engine Oil

### PRODUCT FEATURES

**HIPRO DX-3** is a high performance, heavy-duty diesel engine lubricants designed and formulated for use in marine application, as well as diesel engines used in trucks, fleets, mining, and earth moving equipment, construction, quarrying, agricultural industrial and farm equipment. The enhanced TBN value provides a high alkalinity reserve to give excellent engine protection for long engine life.

### APPLICATIONS

Suitable for use in diesel and gasoline engines, including high speed, 4-stroke, heavy duty automotive and earth-moving equipment, turbo charged and heavy duty engines (e.g. bull dozers, tractors, fishing boats, etc.), and high speed diesel engines in marine service, generators sets.

### SPECIAL PROPERTIES

- ◆ Excellent oxidation stability and strong resistance to high and low temperature sludge formation.
- ◆ Cleans engine by strong detergent and dispersant additives.
- ◆ Protect engines against wear, corrosion and rust.
- ◆ Suppresses foaming.
- ◆ Reduce friction between engine parts and reduces maintenance cost.

### PERFORMANCE LEVELS

- ◆ API CF/SF/CD
- ◆ ACEA E1-96
- ◆ API CF-4/CD/SG (*Claim in Multi-grade only*)
- ◆ MB227.0/1

### TYPICAL SPECIFICATION

SAE GRADES			10W	30	40	15W-40	20W-50
PROPERTY	UNIT	METHOD	SPECIFICATIONS				
Density @ 15 deg C	Kg/l	ASTM D4052	0.8650	0.8780	0.8820	0.8750	0.8850
Viscosity @ 100 deg C	cSt	ASTM D445	4.5–6.5	10.5–11.5	14.0-15.0	14.0-15.0	17.5-19.5
Viscosity Index		ASTM D 2270	102	102	110	122	120
Flash Point COC	deg C	ASTM D 92	Min 220	Min 220	Min 220	Min 220	Min 220
Pour Point	deg C	ASTM D 97	-12	-12	-12	-12	-12
Total Base Number	mgKOH/g	ASTM D 2896	9	9	9	10	10

\* The above specifications are typical of current production, variation in these characteristics may occur, but will not affect the product performance.

**CAUTION:** Continuous contact with used oil has caused skin cancer in lab animals. Avoid prolonged skin contact. Avoid eye contact. Wash skin thoroughly with soap and water after handling. Flush eyes with water for 15 minutes in case of contact. If swallowed, do not induce vomiting. Contact a physician immediately. **KEEP OUT OF REACH OF CHILDREN.**