



## **Characteristics:**

Monograde oil made from a blend of highly refined base and additives which give it detergent / dispersant to minimize the formation of engine deposits and wear characteristics, anti-foaming and anti-corrosion, to ensure proper lubrication crankcase and cylinder medium-speed diesel engines.

Meets the specifications for the service classification CF API / ASTM / SAE and meets and / or addition exceeds the requirements of the leading manufacturers of marine engines CATERPILLAR, DEUTZ, MAN D & W and WARTSILA and others

## **Uses:**

Specifically formulated for the lubrication of medium speed diesel engines that use fuel oil with high sulfur content (greater than 2.5% by weight).

Physical-Chemical Properties	Test Method			Typical Numbers	
	COVENIN	ASTM	Units	3030	4030
				SAE 30	SAE 40
Viscosity @ 40° C	424	D 445	cSt	103	135
Viscosity @ 100° C	424	D 445	cSt	11.5	14
Viscosity Index	889	D 2270	Adm	100	100
Pour point	877	D 97	° C	-12	-12
Flash point (Open cup)	372	D 92	°C	230	230
Relative Density	1143	D 1298	Adm	0.895	0.898
Basic number	2426	D 2896	mg KOH/g	30	30
FZG Test	-		Stages	10	10

Presentation: 208 It Drums, Bulk