



# ULTRA SUPER DUTY S3

B L E N D E D T O I N T E R N A T I O N A L S T A N D A R D S

## GENERAL

The **ULTRA Super Duty S3** is a range of high quality, hydro-treated base oil lubricants designed for the lubrication of a wide range of diesel engines. It is especially suited for **high speed naturally aspirated** and **turbo-charged four stroke diesel engines** in the construction and road transport industries.

**ULTRA Super Duty S3** (API CF) is specifically compounded for use with diesel fuels ranging in sulphur content up to 0.5% weight and can be used where CD or CE oils are recommended.

**ULTRA Super Duty S3** oil is manufactured in SAE 10W, 30, 40 and 50 grades, and is formulated from highly refined base stocks and a balanced additive package which provide for enhanced:

- Detergency
- Corrosion and Rust Protection
- Reduced Piston Deposits
- Cylinder and Piston ring wear performance
- Oxidation Stability
- Thermal Stability

## PERFORMANCE SPECIFICATIONS

**ULTRA Super Duty S3** range of lubricants meet or exceed the test requirements of:

SPECIFICATION	SAE VISCOSITY GRADES			
	10W	30	40	50
API CF		●●●	●●●	●●●
American Military MIL-L-2104D/E	●●●	●●●	●●●	
American Military MIL-L-46152D	●●●	●●●	●●●	●●●
Hydraulic/Transmission Systems	●●●			

## KEY BENEFITS

The use of **ULTRA Super Duty S3** SAE 30, 40 and 50 grades would result in:

- Protection against bearing failure
- Reduced valve train wear
- Control of viscosity increase
- Good dispersancy and alkalinity
- Low piston-zone deposits
- Ring-stick prevention
- Protection against bore polish

## **MAIN APPLICATIONS**

- High speed naturally aspirated, turbocharged, and supercharged diesel engines in the construction and road transport Industry.
- Off-road, indirect injected diesel engines and other diesel engines that use a broad range of fuel types.
- Certain Hydraulic and Transmission systems.

## **TYPICAL PROPERTIES**

	TEST METHOD				
SAE Viscosity Grade	J 300	10W	30	40	50
Kin. Viscosity @ 40°C, cSt	ASTM D445	39.50	93.00	150.00	216.00
Kin. Viscosity @ 100°C, cSt	ASTM D445	6.50	10.85	15.30	19.00
Viscosity Index	ASTM D2270	116	100	103	99
Specific Gravity, 60/60°F	ASTM D1298	0.8768	0.8851	0.8904	0.8932
Pour Point, °C	ASTM D97	-12	-33	-27	-27
Closed Flash Point, °C	ASTM D93	212	216	218	222
Zinc Content, % wt	IP 308	0.124	0.124	0.124	0.124
TBN, mg KOH/g	ASTM D4739	6.20	11.00	11.00	11.00

## **HEALTH AND SAFETY**

**ULTRA Super Duty S3** is unlikely to pose any health or safety hazards when used in the recommended applications, provided good standards of personal and industrial hygiene are observed. Please refer to the Material Safety Data Sheet (MSDS) for further information.

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