

# Technical Data Sheet

## Description

DSL HD Motor Oils are heavy duty superior quality crankcase lubricants. These Heavy Duty performers are recommended for use in naturally-aspirated, turbo-charged and supercharged diesel and gasoline engines.

## Performance Features

Reduced oil consumption	Low valve train, ring and liner wear
Excellent varnish, sludge & carbon deposit control	Excellent oxidation control to minimize oil thickening
Maintains oil pressure under heavy load conditions	Superior wear protection
Excellent TBN retention	Protects against bearing and bushing corrosion
Low ash to minimize deposits	Excellent high temperature stability

## Performance Approvals

Exceeds API Service:  
15W40: CI-4, CH-4, CG-4, CF-4, CF-2, CF, CE, CD-II, CD/SL, SJ  
SAE 30: CF-2, CF, CE, CD-II, CD/SL, SJ  
Caterpillar ECF-1  
Cummins CES 20078 approved  
Mack EO-M Plus approved (15W40)  
Volvo VDS/VDS-3  
Allison C-3/C-4  
Detroit Diesel

## Applications

New low emission EGR Diesel engines specifying CI-4 (15W40)  
On highway  
Off Highway  
Construction  
Farm  
Marine

## Properties

## Typical Specifications

Product Code	<u>SL1513</u>	<u>SL1540</u>
SAE Grade	30	15W40
Gravity, ° API	28.2	28.9
CCS Viscosity cP @ -20°C	-	5900
Viscosity Index	95	141
Flash Point °F	420	420
Pour Point	0	-25
Ash, Sulfated, wt %	1.2	1.2
Total Base Number (TBN)	9.5	9.5