



HEAVY DUTY ENGINE OIL MONO GRADES

DIESEL/GASOLINE ENGINES

Work Horse® Heavy Duty Engine Oil SAE 10W, SAE 30, SAE 40 and SAE 50 are formulated using only high quality Group II, severely hydrocracked, high viscosity index, paraffinic base stocks. They are designed to provide superior engine protection for today's sophisticated, state-of-the-art, low emission diesel and gasoline engines. These products protect against soot-induced oil thickening, ring wear, ringland deposits, oxidation and oil consumption and have excellent stay-in-grade performance as well as extended drain interval capabilities.

They are primarily intended for both turbocharged and naturally-aspirated diesel engines used in the heavy-duty trucking, mining, construction and farming industries. They may be used in power shift transmissions in which manufacturers recommend a Series 3 super heavy duty engine oil.

- Outstanding control of soot-induced oil thickening
- Low ash
- Excellent TBN retention
- Excellent shear stability
- Outstanding piston cleanliness performance
- Outstanding ring wear performance
- Outstanding oxidation and oil consumption control
- Extended drain capabilities

Always consult and follow manufacturer's guide for proper SAE grade. Never exceed recommended drain interval without close monitoring through oil analysis.

Work Horse is a new breed of lubricants designed to stand up to brutal workloads and a wide range of challenging conditions. Born from a 90-year legacy of proven performance and premium products, Work Horse lubricants are formulated using the latest technology and advanced additives to deliver superior results and the protection you demand. Extensive testing in both on-road and off-road environments ensures all Work Horse products meet and exceed major manufacturers' service requirements. Your hard-working equipment needs hard-working oil.



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Typical Characteristics

PRODUCT	10W	30	40	50
Gravity, °API	31.42	30.03	29.61	27.78
Specific Gravity @ 60°F (15.6°C)	0.8685	0.876	0.8783	0.8884
Viscosity @ 40°C cSt	42.83	91.05	124.5	198.1
Viscosity @ 100°C cSt	6.794	10.91	13.29	18.16
Viscosity Index	114	105	101	100
Pour Point °C (°F)	-36°C (-33°F)	-30°C (-22°F)	-27°C (-17°F)	-
Color	2.5	2.5	2	2.5
Zinc, wt. %	0.086	0.086	0.086	0.086
Calcium, wt. %	0.161	0.161	0.161	0.161
Sulfated Ash, wt. %	.8	.8	.8	.8



Performance Level

API SAE 10W CF/SG
SAE 30 CF-2, CF/SG
SAE 40 CF-2, CF/SG
SAE 50 CF-2, CF/SG

ALLISON C-4 QUALITY
SAE 10W & SAE 30

CATERPILLAR TO-2
SAE 10W & SAE 30

DETROIT DIESEL

FORD TRACTOR

JOHN DEERE

KUBOTA

INTERNATIONAL
HARVESTER

MASSEY FERGUSON

MINNEAPOLIS MOLINE

NAVISTAR

OLIVER & WHITE

Available In:

Qt, 2.5Gal, 55Gal Drum, Bulk

* Varies by viscosity