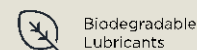


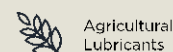
Industrial
Lubricants



Automotive
Lubricants



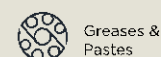
Biodegradable
Lubricants



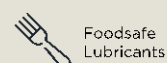
Agricultural
Lubricants



Cleaning &
Maintenance



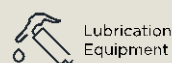
Greases &
Pastes



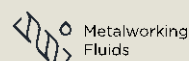
Foodsafe
Lubricants



Heritage Oils



Lubrication
Equipment



Metalworking
Fluids



Ultrafleet MST HD 15w/40

Mid SAPS Heavy Duty Diesel Engine Oil
Product Code: A0W

Product Description

Pennine Ultrafleet MST HD 15w/40 is a heavy-duty diesel engine oil formulated to meet the demanding Euro 5 & Euro 6 low emission requirements. The product utilises the very latest Mid SAPS (Sulphated Ash, Phosphorus and Sulphur) technology designed to protect sensitive after-treatment systems (such as SCR) and reduce plugging of Diesel Particulate Filters (DPF).

Applications

Pennine Ultrafleet MST HD 15w/40 is recommended for use in trucks, buses, tractors and other off-highway equipment fitted with Euro 5 & Euro 6 engines requiring an oil of this viscosity. The product is suitable for extended drain capabilities in accordance with the OEM recommendations. Ultrafleet MST HD 15w/40 is backward compatible with older engines requiring a 15w/40 oil allowing for grade rationalisation if required.

Typical Test Data

SAE Classification	15w/40
Specific Gravity @ 15°C	0.878
Kinematic Viscosity @ 100°C (cSt)	14.93
Kinematic Viscosity @ 40°C (cSt)	113.7
Viscosity Index	136
Flash Point (COC) (°C)	230
Pour Point (°C)	-30
TBN (mg KOH / g)	7.83
Sulphated Ash (% weight)	1.0% max.



Certificate Number: 9480
ISO 9001

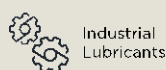


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Performance Specifications

API	CJ-4/CI-4+/CI-4, SM/CF	Renault	RLD-3
ACEA	E9, E7	Global	DHD-1
Cummins	CES 20081	ZF	TE-ML 04C, 07C
Mercedes Benz	228.31	Caterpillar	ECF-3, ECF-2, ECF-1-a
Mack	EO-O Premium Plus	Alison	C4
MAN	M3575, M3275	Detroit Diesel	DDC 93K218
MTU	Type 2.1	JASO	DH-1, DH-2
Volvo	VDS-4	Deutz	DQC III-05

Availability

Pennine Ultrafleet MST HD 15w/40 Motor Oil is available in bulk, 1000 litre IBC's, 205 litre barrels, 25 litre drums, 5 litre and 1 litre plastic bottles.

Storage

Barrels of lubricant should always be stored in such a way as to prevent the ingress of water when stored in the open.

Health and Safety

Please refer to the relevant health and safety data sheet, a copy of which is freely available to all our customers.

Data represented is typical of that obtained with normal production tolerances and does not constitute a specification. The policy of Pennine Lubricants is one of continual improvement, we therefore reserve the right to change specifications without notice.



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