



NATURAL GAS ENGINE OILS

SECTION 1: PRODUCT LINE

SPECIFICATIONS	PRODUCT LINE						
	HDAX® 9200	HDAX 5200	HDAX 3200	HDAX 5100	HDAX 3100	HDAX 6500	HDAX 5300
ENGINE TYPE	4-Cycle	4-Cycle	4-Cycle	2-Cycle Proven success in some 4-Cycle	2-Cycle	4-Cycle	2-Cycle
VISCOSITY	SAE 40	SAE 15W-40, 30, 40	SAE 30 & 40	SAE 15W-40, 30, 40	SAE 15W-40, 40	SAE 40	SAE 40
TBN, D2896	4.2	4.2	4.0	3.1	0.8	4.5	6.2
ASH LEVEL SULFATED ASH, wt%	Low Ash 0.50	Low Ash 0.50	Low Ash 0.45	Ashless (nil)	Ashless (nil)	Low Ash 0.55	Medium Ash 0.70
APPLICATION	Natural Gas Gathering Power Generation	Natural Gas Gathering Power Generation	Natural Gas Gathering Power Generation	Natural Gas Gathering Power Generation	Natural Gas Gathering Power Generation	Landfill Biogas Power Generation	Natural Gas Gathering Power Generation
GAS TYPE	Natural Gas Well Head Gas	Natural Gas Well Head Gas Shale Gas	Natural Gas Well Head Gas	Natural Gas Well Head Gas	Natural Gas Well Head Gas	Landfill Gas Sour Gas Biogas	Sour Gas (High Sulfur) Natural Gas
BENEFITS							
TOTAL PROTECTION	✓✓✓	✓✓	✓	✓✓✓	✓✓	✓✓	✓✓
WEAR PROTECTION	✓✓✓	✓✓✓	✓✓	✓✓✓	✓✓	✓✓	✓✓
EXTENDED DRAIN CAPABILITY	✓✓✓	✓✓	✓	✓✓	✓	✓✓	✓✓
CATALYST COMPATIBILITY	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	Compatible in Biogas Applications	✓✓✓
VALVE RECESSON CONTROL	✓✓✓	✓✓✓	✓✓	NA	NA	✓✓	✓✓
DEPOSIT CONTROL	✓✓✓	✓✓	✓	✓✓✓	✓	✓✓	✓✓

✓✓✓ Best ✓✓ Better ✓ Good