



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	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	◆◆◆	◆◆◆	◆◆◆	◆◆◆	◆◆◆	NA	◆◆◆
VALVE RESSION CONTROL	◆◆◆	◆◆◆	◆◆	NA	NA	◆◆	◆◆
DEPOSIT CONTROL	◆◆◆	◆◆	◆	◆◆	◆	◆◆	◆◆

◆◆◆ Best ◆◆ Better ◆ Good



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SECTION 2: COMPETITIVE CROSS REFERENCE

COMPETITORS	PRODUCT LINE						
	HDAX® 9200	HDAX 5200	HDAX 3200	HDAX 5100	HDAX 3100	HDAX 6500	HDAX 5300
CASTROL		Duratec L				Duratec MX	
CITGO	Pacemaker® 1940 XL	Pacemaker 1715, 1730, 1740, 1740LP	Pacemaker 1630, 1640	Pacemaker 1215, 1230, 1240	Pacemaker 1015, 1035, 1035LP	Pacemaker LFG LA 40	Pacemaker 740
FUCHS		Ganymet Plus LA	Ganymet LA			Ganymet Ultra	
MOBIL	Pegasus™ 1005 Pegasus 1105	Pegasus 805 Ultra, 805 Super	Pegasus 805	Pegasus 801	Pegasus 701	Pegasus 605, 605 Ultra	Pegasus 605
PETRO-CANADA	Sentron™ LD 8000	Sentron LD 5000	Sentron LD 3000	Sentron Ashless 40		Sentron CG 40 Plus	Sentron CG 40
PHILLIPS 66	El Mar® LA4 EXD	El Mar Low Ash		El Mar Ashless Supreme	El Mar Ashless Heavy Duty	El Mar Mid Ash Supreme GEO	
SHELL		Mysella® S5 N	Mysella S3N, S2N	Mysella S3 Z	Mysella S2 Z	Mysella S5 S	Mysella S5 S
TOTAL		Nateria MH	Nateria MP			Nateria ML	

Never use this cross-reference for making final Chevron product recommendations or selections. Always check OEM recommendations and operating conditions to recommend or select the correct Chevron product. Competitors' products listed are not intended to represent equivalent performance to Chevron products.



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SECTION 3: OEM RECOMMENDATIONS A-D

OEM ENGINE SERIES/MODEL	PRODUCT LINE						
	HDAX® 9200	HDAX 5200	HDAX 3200	HDAX 5100	HDAX 3100	HDAX 6500	HDAX 5300
Ajax Integral Engine-Compressors (Now supplied by GE)				Recommended by Chevron	Recommended by Chevron		
Ajax E-565 Gas Engine (Now supplied by GE)				Recommended by Chevron	Recommended by Chevron		
Arrow VRG Engines		Recommended by Chevron	Recommended by Chevron				
Caterpillar, Natural Gas, 3300, 3400, 3500, 3600 Series Engines	Recommended by Chevron	Recommended by Chevron	Recommended by Chevron			Recommended by Chevron	
Caterpillar Energy Solutions CG132, CG170 & CG260 Series Engines	Approved by OEM	Approved by OEM				Approved by OEM	
Clark 2-cycle				Recommended by Chevron	Recommended by Chevron		
Copper Bessemer (Now supplied by GE)				Recommended by Chevron	Recommended by Chevron		
Cummins QSV Engines, Landfill Gas						Approved by OEM	
Cummins QSV & QSK Engines, Natural Gas	Recommended by Chevron						
Dresser-Rand 4-stroke, Category I and II Engines	Recommended by Chevron						
Dresser-Rand 4-stroke, Category III Engines	Recommended by Chevron	Recommended by Chevron	Recommended by Chevron				

This chart is intended to be used as a reference guide and should not be the sole basis for any product recommendations or selections. Always check OEM recommendations and operating conditions to recommend or select the correct Chevron product. Additional information can be found on the applicable PDS at <https://cglapps.chevron.com/msdspds/HomePage.aspx>. Some approvals and recommendations do not apply to all viscosity grades. Recommendations subject to change without notice.



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SECTION 3: OEM RECOMMENDATIONS G-R

OEM ENGINE SERIES/MODEL	PRODUCT LINE						
	HDAX® 9200	HDAX 5200	HDAX 3200	HDAX 5100	HDAX 3100	HDAX 6500	HDAX 5300
GE Jenbacher, Fuel Class A (Natural Gas)	Approved by OEM, Type 3 All Versions, 4A, 4B, 4C, 6 All Versions including F,G & H	Approved by OEM, Type 2, 3, 4A, 4B, 4C, 6C, 6E & 6F					
GE Jenbacher, Fuel Class A (Natural Gas) with Catalytic Converter		Approved by OEM, Type 2, 3, 4A, 4B, 4C, 6C, 6E & 6F					
GE Jenbacher, Fuel Class B (Biogas)						Approved by OEM, Type 2, 3, 4A, 4B, 6C & 6E	
GE Jenbacher, Fuel Class C (Landfill Gas)						Approved by OEM, Type 2, 3, 4A, 4B, 6C & 6E	
MAN (Natural Gas and Dual Fuel)	Recommended by Chevron	Approved by OEM					
MTU Series 400 & Series 4000 Engines, Natural Gas	Preliminary Approval*					Preliminary Approval*	
MWM TCG Series Engines, Natural Gas	Approved by OEM	Approved by OEM					
MWM TCG Series Engines, Biogas and Landfill Gas						Approved by OEM	
RMB/Energie	Approved by OEM						

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*Preliminary approval received from MTU to carry out field test, meets the requirements of the Delivery Standard MTL 5074. On successful conclusion of the field test, the oil will be approved for use in MTU gas engines and will be included in the Fluids and Lubricants Specification.



NATURAL GAS ENGINE OILS

SECTION 3: OEM RECOMMENDATIONS S-W

OEM ENGINE SERIES/MODEL	PRODUCT LINE						
	HDAX® 9200	HDAX 5200	HDAX 3200	HDAX 5100	HDAX 3100	HDAX 6500	HDAX 5300
Superior 4-stroke (Engines now supplied by GE)		Recommended by Chevron	Recommended by Chevron				Recommended by Chevron
Wärtsilä 25SG, 28SG, 34SG, 50SG, 175SG, 220SG, 20DF, 32DF, 34DF & 50DF Series Engines	Recommended by Chevron	No Objection Letter					
Waukesha VGF & VGP Series Engines, Natural Gas, including Cogeneration	Recommended by Waukesha	Recommended by Waukesha					
Waukesha 220GL Series Engines, Natural Gas, including Cogeneration	Recommended by Chevron	Recommended by Waukesha					
Waukesha, Landfill Gas Applications						Recommended by Chevron	

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