

PRODUCTS	SERIES	FUEL	REFERENCE	SENTRON LD 3000	SENTRON LD 5000	SENTRON LD 8000	SENTRON SP 40	SENTRON SP 30	SENTRON CG 40	SENTRON CG 40 PLUS	SENTRON LD SYNTHETIC BLEND	SENTRON VTP 10W-40	SENTRON VTP 10W-40 PLUS	SENTRON VTP 0W-30	SENTRON ASHLESS 40
CATERPILLAR (USA)	G3300 → G3500	Biogas, sewage, landfill	SEBU 6400-07		■					■					
	G3300 → G3600	Natural gas	SEBU 6400-07	■	■	■					■				
	G3300 → G3600 (older versions requiring very low ash)	Natural gas	REN95907												■
CATERPILLAR ENERGY SOLUTIONS/ MWM (FORMERLY DEUTZ POWER SYSTEMS)	MWM TBG 616, 620, 632 MWM TCG 2016, 2020, 2032 Cat CG 132, 170, 260	Natural gas	2105/28	★	★	★					●				
	MWM TBG 616, 620, 632 MWM TCG 2016, 2020, 2032 Cat CG 132, 170, 260	Biogas, sewage, landfill	2105/28	★	★	★			★	★					
	MWM TCG 3016, 3020, 2032B Cat CG 132B, 170B, 260B	Natural gas	2105/28		★	★									
	MWM TCG 3016, 3020, 2032B Cat CG 132B, 170B, 260B	Biogas, sewage, landfill	2105/28		★	★				★					
CATERPILLAR MOTOREN GMBH (FORMERLY MAK)	All GCM	Natural gas	SEBU 6400-07	●	●	●									
CUMMINS	Suitable B, C 5.9 / 8.3 litre engines	Natural gas	CES 20074 (Fleet)									●	●		
	QSK	Natural gas	CES 14615 (Stationary)	●	●	●									
	QSV	Natural gas	CES 14615 (Stationary)	●	●	●									
	HSK78	Natural gas	CES 14615 (Stationary)			★									
DEUTZ (COLOGNE)	TCG2015			■	●				★	●					
DRESSER RAND	Clark 2-stroke engines	Natural gas													●

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FORD	350, other V8 (gasoline engines converted to natural gas)	Natural gas										■		■		
INNIO JENBACHER	Installations with catalyst		TA 1000-1109 rv 25		★	★	★			★						
	Series 2 and Series 3	A	TA 1000-1109 rv 25		★	★	★									
		B	TA 1000-1109 rv 25			★				★	★					
		C	TA 1000-1109 rv 25							★	★					
	3 Version F	A	TA 1000-1109 rv 25		★											
	4 Version A	A	TA 1000-1109 rv 25		★	★										
		B	TA 1000-1109 rv 25			★					★					
		C	TA 1000-1109 rv 25								★					
	4 Versions B and D	A	TA 1000-1109 rv 25		★	★										
		B	TA 1000-1109 rv 25		★	★				★	★					
		C	TA 1000-1109 rv 25		★					★	★					
	4 Versions C and E	A	TA 1000-1109 rv 25		★	★										
		B	TA 1000-1109 rv 25		★	★				★						
		C	TA 1000-1109 rv 25		★	★				★						
	6 Versions C and E	A	TA 1000-1109 rv 25		★	★	★									
		B	TA 1000-1109 rv 25			★				★	★					
		C	TA 1000-1109 rv 25							★	★					
	6 Versions F and J	A	TA 1000-1109 rv 25		★	★	★									
		B	TA 1000-1109 rv 25		★											
		C	TA 1000-1109 rv 25		★											
6 Versions G, H and K installed before 28/2/2020	A	TA 1000-1109 rv 20		★	★											
6 Versions G, H and K installed after 28/2/2020	A	TA 1000-1109 rv 25			★											

* Oils approved at the time of installation (e.g. SENTRON LD 5000) remain approved and can be used.

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INNIO-WAUKESHA (MANDATORY USE OF APPROVED OILS IN COGEN INSTALLATIONS AND IN APG 220 INSTALLATIONS)	VGF F18, H24, L36, P48 G, GL, GLD*	All	12-1880AS	★	★	★				■	★				■
	VGF F18, H24, L36, P48, GSI, GSID**	All	12-1880AS	★	■	★				■	★				■
	VGF any engine model with Waukesha factory-supplied catalyst	All	12-1880AS	★		★				■	★				
	VHP F3521, L5790, L7042, P9390 G, GSI, GL	All	12-1880AS	★	★	★			★	■	★				
	VHP all series 4 and series 5 models without Waukesha factory-supplied catalyst	All	12-1880AS	★	★	★				■	★				
	VHP all series 4 and series 5 models with Waukesha factory-supplied catalyst	All	12-1880AS	★							★				
	275GL/GL+ 12V, 16V	All	12-1880AS	★	★	★			★	●	●				
	APG 16V150LTD	All	12-1880AS	●		●				●	●				
	APG 12V220GL, 18V220GL	All	12-1880AS		★										
GM	350, other V8	Natural gas										■	■	■	
LIEBHERR	All	Natural gas	LH-00-GAS LA		●	★									
		Biogas							●						
MITSUBISHI HEAVY INDUSTRIES	GS16R2	Natural gas	JE17SGSR002		★	●									

* SENTRON LD 5000 for L36 and P48GL only.

** SENTRON Ashless 40 recommended for low load operation (<60%) with VGF F18, H24 engines.

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MAN AUGSBURG	All gas engines	Natural gas		●	●	●									
MAN NUREMBERG	All stationary	Natural gas	M 3271-2		★	★		★							
	All stationary	Special gas	M 3271-4						★	★					
	All stationary	Natural Gas & Special Gas, Applications with Catalyst	M 3271-5		★	★		★		★					
	Steel piston, e.g. E3872 V12+	Natural Gas and Special Gas	M 3271-5 with steel piston extension			★									
MTU ONSITE ENERGY (ROLLS ROYCE POWER SYSTEMS)	400 Series	Natural gas	A001072		★	★									
		Biogas, landfill, sewage	A001072						★						
	Series 4000 L61, L62, L63	Natural gas	A001072		★	★									
	Series 4000 L32, L33, L64FNER	Natural gas	A001072			★									
	Series 4000 L32FB L64FB	Biogas	A001072						★						
PERKINS	4000 Series	Natural gas	Engine News 48 issue 5		★						●				
		Sour gas	Engine News 48 issue 5						★						
RMB/ ENERGIE	All	Natural gas				★									
R SCHMITT ENERTEC	All	Natural gas	Operating Media Instructions REV1		★										
		Biogas					★								
GUASCOR (FORMERLY SIEMENS)	Guascor E series (Siemens SGE -E)	Natural gas	IC-G-D-25-008e revB		★	★									
	Guascor S and H series (Siemens SGE -S and -H)	Natural gas	IC-G-D-25-005e revC		★	●									
		Biogas and Syngas	IC-G-D-25-006e revB						★						
	Guascor HGM, FGLD and SFGLD series	Natural gas	IC-G-D-25-005e		★	●									
		Sour gas							★						

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TEDOM	T-50	Natural gas	61-0-0281.1			★					●				
		Sour gas	61-0-0281.1						★						
WÄRTSILÄ	All SG gas engines and all DF dual fuel engines running predominantly on gas	Natural gas	4V92A0780K	●	★	●									
WJ POWER	HMG 320/420/434/634/645	Natural gas			★										
		Sour gas							★						
VOLGA DIESEL MAMINS	Gas engines	Natural gas		★											
VOLKSWAGEN	ECOBUE 2.0	Natural gas				■									

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