

A large industrial reciprocating compressor unit, identified as a Sweet 1150HP CAT model, is shown in an outdoor setting. The unit is a large, dark-colored metal structure with a complex internal arrangement of pipes and valves. It is mounted on a concrete base. The background shows a clear sky and some other industrial structures. The entire image is overlaid with a semi-transparent blue filter.

CJV#1628

Sweet 1150HP CAT Reciprocating Compressor

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Condition	Heavy Used an/or Significant Repair
Manufactured	Energy Industries 1998
Location	Central Alberta
Availability	1 Week for Disconnection
Registration	Alberta
Service	Sweet
Driver / Driven	CAT 3516STD / Gemini D604
Stages / HP / RPM	3 Stage / 1150 HP / 1200 RPM
Control Panel	PLC Rem-Vue 500S
Cooler	Air-X-Changer with 12 blade fan / MAWP 1650psig
Additional Notes	Has been preserved and is now on a preservative schedule. Includes 3 ton crane, 2 Ruffneck electric heaters, fire eye, gas detection, AC lights, auto/manual recycle & flare systems, fuel gas scrubber, exhaust fan, ridge vent, outside ESD's, and Parker crankcase ventilation filter.

Sample Performance

For information only, subject to engineering review.

STAGE CONFIGURATION

Stage / Throw	Cylinder Size	Cylinder Pressure	VVP
Stage 1 / Throw 1 and 3	16.5"	635 psig	Yes
Stage 2 / Throw 4	9.5"	1500 psig	Yes
Stage 3 / Throw 2	6.0"	2200 psig	Yes

SAMPLE PERFORMANCE

Suction Pressure: 14 psi	Discharge Pressure: 1350 psi	4.0 MMSCFD @ 1200 RPM
Suction Pressure: 20 psi	Discharge Pressure: 800 psi	5.1 MMSCFD @ 1200 RPM

OTHER NOTES

- The engine oil pan has a small crack in it that slowly seeps oil and was described as a nuisance, not a severe leak.
- Total unit hours 121096hrs. 79184 hours since major overhaul. Engine heads, pistons & liners replaced at 14530 hours ago.
- Compressor Crankshaft re-man done at 81217 hours (12/26/09)

