

ESS Twin-Screw II S/C Oil Change

Before reading: All numbers etc are in metric system.

So after 50000km I decided to change the TS oil. I went and bought 1L of Castrol TWS 10W60 oil and made my own suction device.

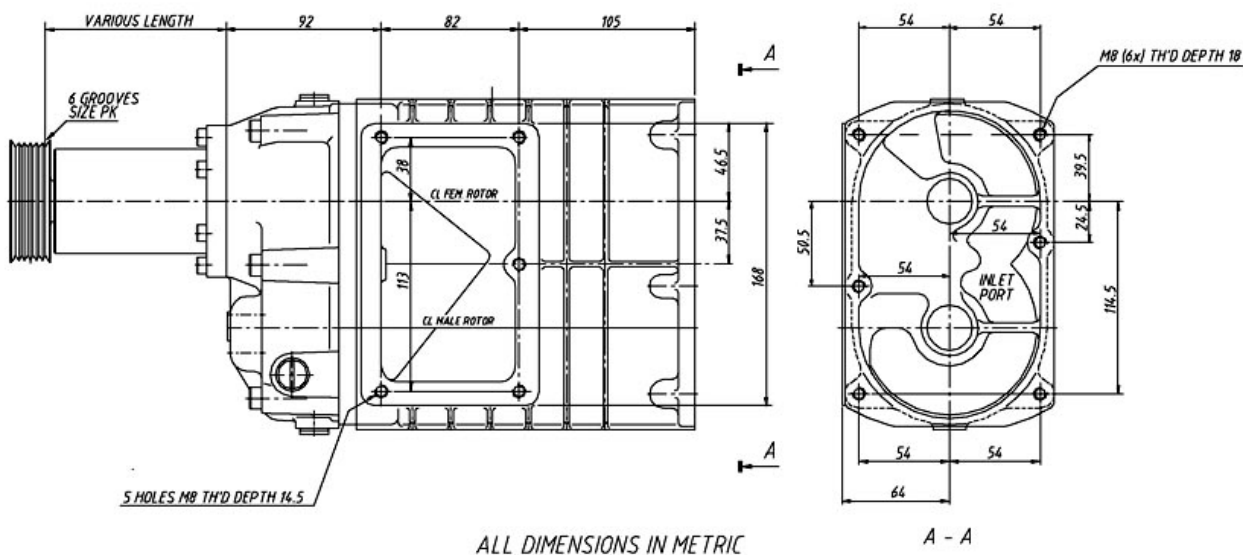
Hans@ESS told me the TS needs 120ml of 10W60 and the correct oil level should be around 10mm below the center shaft. So, I carefully measured exactly 120ml oil and placed them in a container.

Removed the 6mm allen oil plug from the TS and started to suck the old oil which was very dark compared with the fresh.

Now here's the problem. I only got 45ml out of the S/C. There's nothing else in there. The tube goes around 17cm in the TS, which according to it's specs, it's the bottom.

Lysholm Technologies Twin-Screw Supercharger 1600AX Dimension Drawing

DISPLACEMENT 1.6 L/REV.
 MAX SPEED 13000 RPM CONT.
 INTERNAL LUBRICATION SYSTEM OR
 CIRCULATING OIL FOR SOME APPLICATIONS.



Castrol 10W60 Oil



Syringe with plastic tube



Container and 6mm Allen key



Engine:



Oil fill plug for the TS



© Paris Argyrides

Connect tube with syringe



© Paris Argyrides

Insert tube all the way down and start sucking old oil



Guess which is the old oil

