



INOVATIF MAKİNA PETROL LOJİSTİK İTHALAT
İHRACAT SANAYİ VE TİCARET LİMİTED
ŞİRKETİ

Küme Evleri Trak Depoları No: 444 İç Kapı No : 6-7

Merkez Edirne / Türkiye

V.D : KIRKPINAR

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PROFORMA INVOICE

Date : 07.03.2023

Al. Mushqat Company Baghdad / IRAQ

Mr. Maytham Abdulhussein Kahim

Sr. No	Discription of Goods	G.T.İ.P KODE	Total Amt. USD
1	Waste Mineral Oil Re-Refining 10 Tons / Day	84.19.40.00.00.01	80.000
		TOTAL	80.000 USD

AMOUNT IN WORDS :

Bank Account Information

INOVATIF PETROL LOJİSTİK İTHALAT.
İHRACAT SANAYİ VE TİCARET
LİMİTED COMPANY

TURKİYE İŞ BANKASI :
IBAN : TR52 0006 0021 3000 7880 61
SWIFT CODE : ISPKTRIS
CHIPS UID : 003546

This process, which Avista Oil (U.S.A.) obtained a license from Enprotec Vaxon (Denmark) in 2018 and patented it under the name of Avista Oil Solvent Extraction – Vaxon™ Technology; It consists of vacuum distillation and solvent separation stages. Group-I quality base oils can be obtained by using this process in the Dollbergen-Uetze and Kalundborg facilities of the organization. The system will be compatible with this standard and the certification of Lloyds will be issued accordingly to certify that the system is within the same standard.



The mineral waste oil filled into the process reactor is pressed from the reactor to the evaporator by a circulating pump, and this is a continuous cycle. Afterwards, the burner in the evaporator is started and the waste mineral oil is heated gradually and in a controlled manner. Through the heated mineral waste oil,,

30 C – 120 C ---- Water and light products

120 C – 275 C --- Gasoilne and diesel

275 C – 310 C --- Base Oil

Not : Each incoming product, in turn, is accumulated in different product storage tanks.

From the contents of the mineral waste oil, which is heated gradually, the products that are produced at certain intervals are taken by evaporation and condensation. After the separation of these products (+ 310 C), asphalt remains at the bottom of the reactor and is taken to a different storage.

After these processes, intermediate base oil is produced, but there are pollutants that cannot be separated by distillation method. With the Advanced Selective Purification Technology, liquid-liquid extraction with polar solvent content such as N-Methyl-2-Pyrrolidine (NMP) is carried out to separate polycyclic aromatic hydrocarbons and heteroatomic compounds.

After the solvent extraction process, GROUP I BASE OIL production is completed. Group I base oil is then sent to blending reactors. The final product is produced by adding additives according to the desired product type in the blending reactors. The final stage of the process is packaging. After packaging, the product produced is offered for sale.

PROCESS EFFICIENCY

<u>WASTE OIL</u>	<u>%</u>
<u>Gas</u>	3 - 5 Water
<u>Gasoline</u>	3 – 5 Process Fuel
<u>Diesel</u>	3 – 5 Process Fuel
<u>Base Oil</u>	75 – 85 Base Oil
<u>Asphalt</u>	12 – 15 Process Fuel

Note : Mineral waste oil plants separate the compounds in the products. And the yield of products depends on the raw material. The above values are approximate values.

<<< EQUIPMENT USED in the SYSTEM >>>

- Every equipment and material used in the process will be internationally certified, valid in the oil and gas industry; The certification shall be issued by Lloyds and ISO/DIS 29001(Quality Management in oil, Gas and petrochemical industries) and ISO 45001 (Health, Safety and Environment).
- Quality documents, warranty and origin information of each equipment used in the system are delivered to the buyer (Customer).
- The metals used in the system will be manufactured in a high quality and thickness suitable for the oil and gas industry are certified as per international standard certified by Lloyds as per ISO/DIS 29001 and ISO 45001.

<<< Mechanical and Welded Production >>>

- Welding of system equipment is done by professional personnel. Production is carried out in accordance with the international pressure vessels regulation, in accordance with standard practices such as pre-welding cleaning and channel opening.
- In all system welds, high quality steel (basic) electrodes and suitable tips will be used.
- Every equipment of the system will be produced with nut and bolt connection to be removable.
- Stair walkways in the system will be produced in accordance with international occupational safety.

System Warranty Information

- * Our company supplies the equipment used in the facility. Electric motors, reducers, valves, pumps and similar materials are purchased with guarantee and invoice. The manufacturer gives 1 year warranty for these equipments.
- * The entire system, the supplied equipment and the modules we manufacture are guaranteed by our company for 1 year against material and workmanship defects.
- * The equipment warranty contract form is delivered to the customer together with the equipment.

Note : The entire responsibility belongs to our company. The replacement or repair of the products will be done by our company personnel.

** Our price includes all equipment and installation of the system.*

**Shipping of the system is not included in the price. System delivery place is our factory building. Shipping is the responsibility of the customer.*

TEST

- After the metal welding process, the manufacturer performs the general tests of the equipment as high pressure (20 bar) and to be under pressure for a long time (24 hours). X-ray test will be done to the whole sources of the system specially main welding in reactors and condenser.
- The customer can have the additional welding tests of the equipment done, if customer wish to do so ; the customer will pay the test fee.

Environment and Safety

- The system will not have a negative impact on the environment during operation. The system will be filtered for flue smoke and vacuum output.
- There is an international fire safety system in the system. In case of a malfunction, the system will automatically shut down and give a warning.
- Machine design and production design will be manufactured as portable and easy to dismantle by nuts and connections.
- Manufacturer shall provide safety data sheet for all the chemical substance and raw material used in the systems.
- Manufacturer shall provide the user manual for the use of machinery and equipment.
- Manufacturer shall provide safety measure flow chart and safety process step by step.

Payment Plan

Agreement Date : 40.000 USD

**Machine Loading : 15.000 USD (Bank)
5.000 USD**

Machine Start – Up : 20.000 USD (IRAQ)

<<< Production Time, Shipping and System Assembly >>>

- The machine production period is 30 days from the contract date.
- The manufacturer will make the loading of all the equipments of the system to the vehicles.
- The transportation of the system (truck transportation) belongs to the customer.
- The entire system will be mounted on steel construction.
- There are flanged connections, safety ladders and a transportation corridor for access to and replacement of all equipment in the system. The system will be produced by calculating steel constriction, carrier load and other factors.
- After the system is started, the technical personnel of the manufacturer will operate the plant for 7 days.