

Press release

Astana, February 17, 2026

KazTransOil implements advanced real-time crude oil quality monitoring technology

JSC KazTransOil is taking a further strategic step toward digital transformation and enhanced technological safety. The Company is among the first pipeline operators in neighboring countries — with similar technology currently deployed in China — to initiate the implementation of an in-line chloride salt analyzer for crude oil, enabling continuous, real-time quality monitoring.

Chloride salts are among the most critical crude oil quality parameters. Elevated salt content accelerates corrosion of equipment and pipelines, leads to deposit formation, and may disrupt refining processes at oil refineries. The new approach enables immediate detection of deviations without waiting for laboratory test results.

The introduction of an automated online salt concentration monitoring system will not only enhance the operational reliability of the pipeline network but also significantly reduce human-factor risks, ensuring consistent compliance with regulatory quality standards.

As part of the project, KazTransOil will deploy an in-line analyzer that has already demonstrated its effectiveness at refineries in several foreign jurisdictions. The equipment provides continuous measurement directly within the crude oil stream.

By decision of the Scientific and Technical Council of JSC KazTransOil, pilot industrial trials of the in-line chloride salt analyzer will be conducted at the T. Kassymov Oil Pumping Station of the Atyrau Oil Pipeline Department. The start of testing is scheduled no later than 1 August 2026.

Following successful completion of the pilot phase, the technology may be scaled across other company facilities.

KazTransOil JSC is the national operator of the main oil pipeline system. It is a subsidiary of KazMunayGas NC JSC. The company owns a diversified network of main oil pipelines with a total length of 5,2 km and provides pipeline operation services for third-party organizations, covering an additional 5,000 km of pipelines.

**“KazTransOil” JSC
public relations and
internal communications department**