

PREMIUM NRO-Z 68

PRODUCT DESCRIPTION

Premium NRO-Z 68 is a HVLP high quality premium hydraulic oil formulated with premium base oils and zinc additives, good viscosity-temperature properties to minimize premature aging of fluid in extreme operating conditions. The high-quality zinc containing additives guarantees wear protection and reduces friction to support extended equipment life. Designed for heavily loaded hydraulic systems in both mobile and industrial equipment. Excellent cleaning properties to keep hydraulic system reliable and efficient. Excellent oil flow properties for optimum lubrication. Good air and water separation properties to prevent foam formation which is critical in hydraulic performance.

Premium NRO-Z 68 meets the requirement of major hydraulic equipment OEMs. Long term protection of steel and nonferrous metal parts even in the presence of moisture. Rapid air release to reduce the risk of cavitation for longer equipment life.

APPLICATION

Recommended for use in modern high pressure hydraulic systems, which require anti-wear oils for effective protection against deterioration. For hydraulic systems in which, gear, vane, and other pumps are used.

WARRANTY

Premium NRO-Z 68 meets or exceeds the OEM's warranty requirements of hydraulic systems where zinc containing additives of hydraulic oil with an ISO viscosity grade 68 is required. TOTACHI® guarantees full compliance on the written specifications indicated on product labels.

CUSTOMER BENEFITS

• Excellent Wear Protection

Higher zinc containing hydraulic oil for more reliable equipment protection and longer equipment life.

Optimum Lubrication in Extreme Operating Conditions
 Higher viscosity index to provide reliable operation in wider operating temperatures. Higher lubricating action in all moving components of hydraulic system.

Extended Equipment Life

Reliable anti-wear protection even in severe operating conditions. Rapid water separation properties to help in the reduction of sludge and deposits, leading to an increased efficient and system reliability.

Saves Cost

Maximizes oil drain intervals and ensures durability of hydraulic systems to cut operating downtime and untimely maintenance.

MEETS SPECIFICATIONS & REQUIREMENTS OF:

- AFNOR NF E 48-603 HM and HV
- AFNOR NF E 48-690
- AFNOR NF E 48-691
- BOSCH REXROTH RDE-90220 (HLP)
- CINCINNATI MACHINE P-69
- DENISON HF-0, HF-1, HF-2
- DENISON T6C-020 VANE PUMP
- DIN 51 524 Part 3 (HVLP)
- EATON BROCHURE 694, 03-401-REV 2010
- EATON VICKERS I-286-S
- EATON E-FDGN-TB002-E
- GM LS2
- ISO 11158 HV
- JB/T 12194-2015
- US STEEL 126, 127, 136
- ASTM D6158 HM
- SAE MS 1004
- CHINA GB 11118, 1-2011 L-HM
- ZF TE ML 07M
- ZF TE ML 21M

Suitable for use in hydraulic systems requiring zinc containing additives.

Before using this product, ensure it is consistent with OEM's recommendations for the equipment operating conditions and customer's maintenance practices.



PREMIUM NRO-Z 68

TYPICAL TEST DATA

CHARACTERISTICS	UNITS	VALUES	STANDARDS
ISO Grade	-	68	
Kinematic viscosity at:			
40 °C	cSt	67.14	ASTM D445
100°C	cSt	10.51	ASTM D445
Viscosity index	-	145	ASTM D2270
Color	-	<mark>TBD</mark>	ASTM D1500
Flash point	°C	<mark>TBD</mark>	ASTM D92
Pour point	°C	-39	ASTM D6892
Density at 30 °C	kg/L	0.8731	ASTM D4052

STORAGE AND HANDLING GUIDELINES

- Avoid exposing products to direct sunlight.
- Store in cool and dry places. Avoid exposing products to moisture.
- It is highly recommended to store drums indoors or under cover on pallets and racks.

HEALTH, SAFETY & ENVIRONMENT PROTECTION

Information on health, safety and environment protection is described in the product Safety Data Sheet (SDS). The SDS file contains details on potential hazards, precautions and first aid measures, as well as information on environmental impact and disposal of used products.

TOTACHI INDUSTRIAL CO. LTD. disclaims any liability in case the product is used with violation of these instructions and warnings, or it is not used for its intended purpose. Before using product other than intended, consult your local TOTACHI® distributor.