

Flush Out

PRODUCT DESCRIPTION

Flush Out is a flushing oil that is specifically engineered for purge of internal combustion engine lubrication systems without the need for tear down. The product is manufactured using highly refined base stocks with hydrocracking technology possessing high stability and high viscosity index. The product contains a specially selected additives package consisting of an effective combination of detergent, dispersant and anti-wear additives. During a short period (10-20 minutes of warm engine work) the oil gradually washes away accumulated deposits in oil passages and interior cavities of the engine. Flush Out effectively removes solid and semi solid wear particles from loaded engine components.

APPLICATION

- Flush Out is recommended for gasoline and diesel engines of passenger cars and off-road vehicles during oil change after operations with extended service interval.
- The product is recommended in cases when high level of contamination in lubrication system and sump has occurred.
- It is recommended to use the product when shifting to a higher service category of oil (ACEA or API) in order to remove deposits in hot areas of the engine.

- The product is recommended for repair works, such as engine head gasket change, after engine overheating, in circumstances where the customer has failed to observe proper drain intervals.
- Instruction: After draining the used engine oil, pour Flush Out into the reservoir, run engine at a fast idle for about 10- 20 minutes. Finally, drain flushing oil and refill with a suitable Totachi lubricant.

CUSTOMER BENEFITS

- Excellent detergent additive removes sludge and soot layer by layer. The product provides deposit dispersancy and prevents plugging of oil passages and filters.
- The product protects loaded components from wear during flush, thus maintaining maximum engine durability.
- Flush Out oil is fully compatible with different types of engine oils, recommended for modern four-stroke engines.

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

TYPICAL TEST DATA

CHARACTERISTICS	UNITS	VALUES	METHODS
Kinematic viscosity at:			
40°C	cSt	33.10	ASTM 445
100°C	cSt	5.80	ASTM 445
Viscosity index	-	117	ASTM D2270
Density at 30°C	kg/l	0.8460	ASTM D4052
Flash point	°C	230	ASTM D92
Pour point	°C	-42	ASTM D97
Color	-	L 0.5	ASTM D1500

STORAGE AND HANDLING GUIDELINES

- Avoid exposing products to direct sunlight and extreme temperatures.
- Cans, packed in cardboard boxes, must be stored indoors vertically. Avoid exposing products to moisture.
- It is highly recommended to store drums indoors on pallets and racks.
- If stored outdoors drums should be placed sidewise to avoid accumulation of moisture.
- Store indoors if ambient temperature is below 0°C.

HEALTH, SAFETY AND 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.

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