

Engineering Note

Publication date: 10. June 2014
Date, validity: -
Author: Lucjan Gogolin
Safety relevance of note: -
Need for action: -
Mailing list: Internal, sales representatives Germany, service partner, branch offices (Europe), branch offices (international), representatives (international)
Title: **Gear oil maintenance intervals for motor dosing pumps**
Component(s): -
Relevant products: MEMDOS LB / LP, MEMDOS E / DX, MEMDOS MR / GMR, FEDOS E / DX, REKOS KR, KARDOS N / KN

Dear Ladies and Gentlemen,

The dosing pumps of the MEMDOS, FEDOS, REKOS and KARDOS series use gear oil of the viscosity class ISO-VG460. The high viscosity of this oil gives it considerable performance reserves, producing lower wear to and thus a higher service life of the gear. The previous operating instructions of the pumps specified the maintenance intervals recommended for a different brand of oil previously used, which was of a lower stability. These maintenance intervals have been updated. The new operating instructions are available on request or can be downloaded from our web page:

<http://www.lutz-jesco.com/en/service/document-download-specialised-information/technical-documentation/dosing-pumps.html>

Please consult the table on the next page. It provides information and maintenance intervals for the oil change as well as recommendations regarding the oil type.

Kind regards,



p.p. Lucjan Gogolin

Research and Development

Phone: +49 5130 580244

Fax: +49 5130 580268

E-mail: Lucjan.Gogolin@Lutz-Jesco.com

Internet: <http://www.Lutz-Jesco.de>

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Schmiermittelliste Motorpumpen / Lubricant list for motor driven pumps							
05/2014 L. Gogolin							
Pumpentyp Pump Type	Schmierort Lubrication points	Schmiermittel Kind of Lubricant	Spezifikation Specification	Schmiermenge Einf.-/Zweif.-Getriebe Quantity of Lubricant Single-/Double gear	Wechsel nach Betr.-Std. Change after operating hrs.	Kontrolle nach Betr.-Std. Check after operating hrs.	Empfohlene Marken Recommended brands / types
Minidos A Memdos TM Mididos E	Getriebe Gear	Fett Grease	Fett auf Basis von Molybdänsulfid Grease on basis of Molybdenum Disulfide	20ml / 20ml 20ml / 20ml 20ml / 20ml	Lebensdauer- schmierung Life time lubrication	ca. 5000 oder alle 2 Jahre approx. 5000hrs. or every 2 years	Molykote BR 2 plus OKS 400
Memdos E/DX ...156 Memdos E/DX 160... Memdos MR/ZMR Memdos LB/LP 4...80, 150 Memdos LB/LP 110, 160...1010 Fedos E/DX Rekos KR/ZKR	Getriebe Gear	Öl Oil	Getr.-Öl der Visk.-Kl. ISO-VG 460 nach DIN 51519 (SAE 140 nach DIN 51512) Gear oil of viscosity class ISO-VG 460 acc. to DIN 51519 (SAE 140 nach DIN 51512)	250ml / - 700ml / - 700ml / 900ml 250ml / - 250ml / 500ml 250ml / - 700ml / 900ml	erstmalig nach 5000 B.-Std., danach alle 10000 B.-Std. oder alle 2 Jahre First time after 5000hrs. then after 10000 hrs or every two years	2 x jährlich twice a year	Aral: Degol BG 460 BP: Energol GR-XP 460 Esso: Spartan EP 460 Fuchs: Renep Comp. 110-VG460 Mobil: Mobilgear 634 Comp. FF
Memdos GMR Kardos KN Kardos N	Getriebe Gear	Öl Oil	Hypoid-Getriebe-Öl der Viskositätsklasse SAE85W-90 nach DIN 51512 Getr.-Öl GL5 gem. MIL-L-2105B Hypoid Gear Oil of Viscosity Class SAE85W-90 acc. DIN 51512 Gear.-Oil GL5 acc. MIL-L-2105B	4500ml / 5500ml 1000ml / 1600ml 4500ml / 5500ml	erstmalig nach 5000 B.-Std., danach alle 10000 B.-Std. oder alle 2 Jahre First time after 5000hrs. then after 10000 hrs or every two years	2 x jährlich twice a year	Aral: Gear Oil Hyp BP: Gear Oil EP Esso: Gear Oil GX-D Fanal: Gear Oil HD Hypoid Mobil: Mobilube HD-A Texaco: Multi-Gear Lubricant EP