


1.1 Pumps KSB Omega and ETA Centrifugal Pumps									
DESCRIPTION	REQUIREMENTS								
1/2/3/4/5/6 0PCC 11/12/13 AP001/M01 0 1/2PCC 10/11/12/13 AP 001/M01 0 1/2PGC10/11/12/13 AP001/M01 0 0GBK 20/21/22/23 AP001/M01 1/2/3/4/5/6 0PGC10/11/12 AP 001/M01	For additional information regarding lubrication, refer to Maintenance Manual, document number 200-112424  Supplier Manual: Omega 350-360 A, 300-435A ETA 125-400, 200-33, 200-40								
<p>a. <b>PUMP OMEGA 350-360 A and 300-435A LUBRICATION OF ROLLER ELEMENT BEARINGS (KKS 1/2/3/4/5/6 0PCC 11/12/13 AP001 AND KKS 1/2/3/4/5/6 0PGC10/11/12 AP 001)</b></p> <p> <b>NOTE:</b> The roller element bearings are supplied greased for life therefore no re-lubrication is required</p> <p>b. <b>PUMP ETA 200-33, 200-40 and 125-400 (KKS 0 1/2PCC 10/11/12/13 AP 001 0 1/2PGC10/11/12/13 AP001, 0 0GBK 20/21/22/23 AP001)</b></p> <p>The pump shaft runs in two oil-lubricated bearings. The oil level must be checked during operation by means of a dipstick and topped up if the level reaches the lower mark.</p> <p>i. <b>Oil change interval</b></p> <p>After 2000 operating hours, the oil chamber in the bearing bracket and the bearings should be carefully cleaned. The oil must also be changed after 2000 operating hours.</p> <p>ii. <b>Oil type</b></p> <table border="1"> <thead> <tr> <th>Brand</th><th>Specification</th></tr> </thead> <tbody> <tr> <td>BP</td><td>BP Visco 2000 / VANELLUS 20W-50</td></tr> <tr> <td>Caltex</td><td>HAVOLINE 20W-50</td></tr> <tr> <td>Total</td><td>Total Quartz 5000 / 20W-50</td></tr> </tbody> </table> <p>iii. <b>Oil specifications</b></p> <p>Only high grade branded oils conforming to the following specifications must be used:</p>		Brand	Specification	BP	BP Visco 2000 / VANELLUS 20W-50	Caltex	HAVOLINE 20W-50	Total	Total Quartz 5000 / 20W-50
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