

6603 LOW TOX[®] HYDRAULIC OIL

City of Wadena, Minnesota

Bucket Chain Conveyor • SIC 9390 Local Government

CUSTOMER PROFILE

The City of Wadena, like most cities in Minnesota, has strict guidelines relative to complying with the Clean Water Act.

APPLICATION

They use a 20' hydraulically driven bucket chain conveyor to move solid waste across the cleaned and treated water stream being discharged into the river. The formal name of this piece of equipment is a mucerator grinder wheel conveyor abrator. It processes the input waste stream before the bar screen. It is roughly 2 ft. wide at the input side, and grinds solids (waste, wood, rocks, etc.) down to a 10 in. wide outlet stream.

AREA OF INTEREST

For contamination containment purposes, the entire bucket conveyor is enclosed. The City of Wadena uses flexible hydraulic hoses due to cold temperature concerns. This hydraulic hosing enters and exits the encased bucket conveyor over the clean water discharge stream. From the onset, the City engineer was looking for a low toxicity product that would minimize the City's risk of environmental contamination if the hydraulic hoses burst while operating over the river.

LE SOLUTION

LE Representative Gage Koby

recommended LE's 6603 LOW TOX[®] Hydraulic Oil as an environmentally friendly alternative to handle both operational and environmental concerns. The City of Wadena purchased 6603 and put it in the hydraulic system when the unit was installed. LE's Low Tox Hydraulic Oils offer superior performance in lubrication, with long oil life and excellent wear protection. There is no worry of premature oxidation or failure of the lubricant as there is with most vegetable-oil based products. Low Tox Hydraulic Oils are based on USP quality white mineral oils and specially selected additives to provide a low toxicity product with good biodegradability that does not sacrifice lubrication performance or necessitate shortening of lubricant change intervals.

CUSTOMER COST SAVINGS

LE's 6603 has performed exceptionally well in the cold northern Minnesota climate and the warmer summer months. The City of Wadena feels confident based on the fact that they have minimized the liability and risk associated with using more toxic commercially available hydraulic fluids.

OTHER PRODUCTS USED

LE's 604-605 ALMASOL[®] Vari-Purpose Gear Lubricant; LE's 1275 ALMAPLEX[®] Industrial Lubricant and LE's 6402 MONOLEC[®] Turbine Oil.

We want to thank Lee Bundig of the City of Wadena, and LE Representative Gage Koby (pictured) for the information provided to prepare this report.



Based on actual user experience. Individual results may vary. Product used not intended to supersede manufacturer's specifications.

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