



MINING INDUSTRY

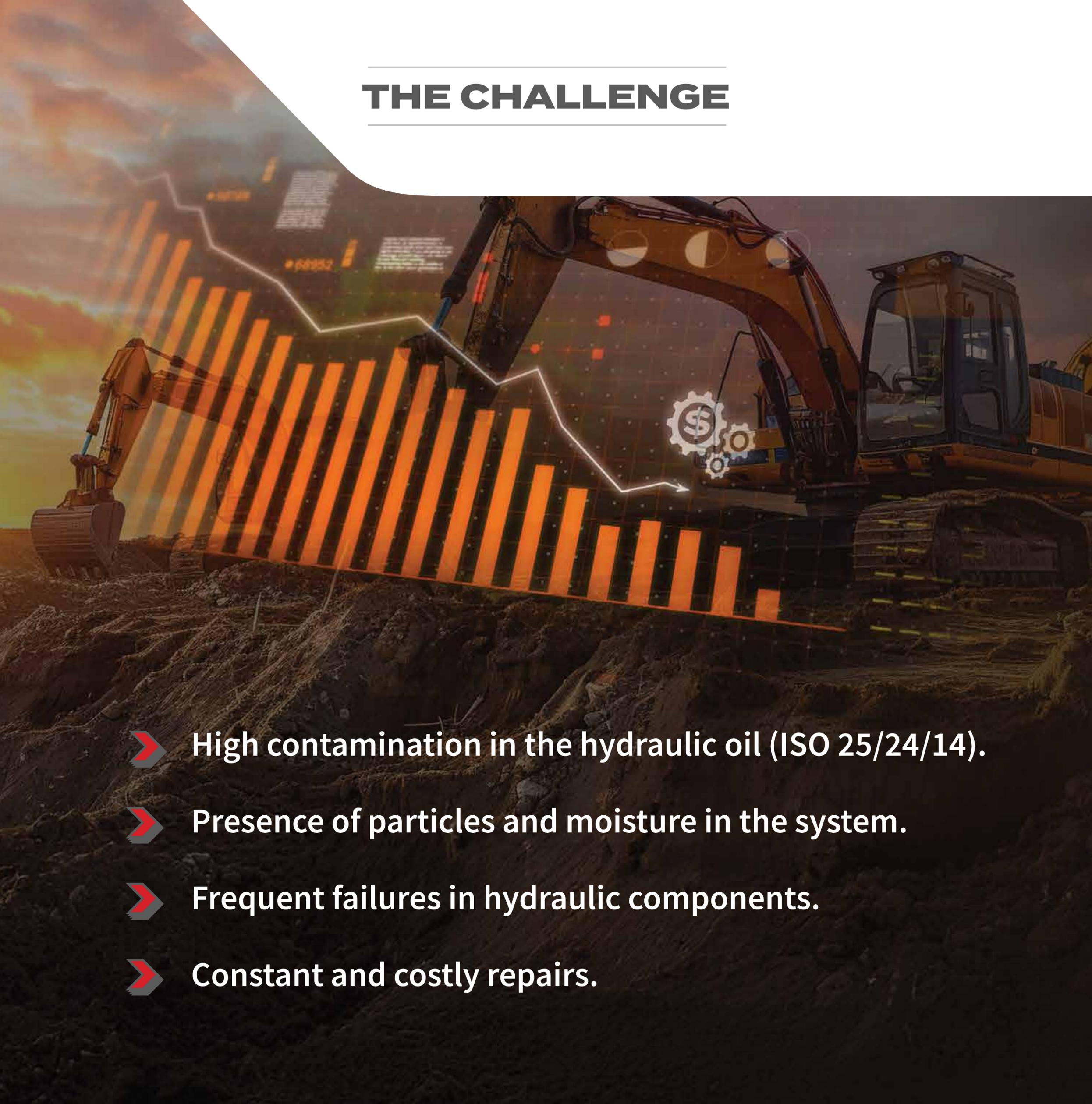


**PROTECT
YOUR
ASSETS**

CASE STUDY

AGRENIC

THE CHALLENGE

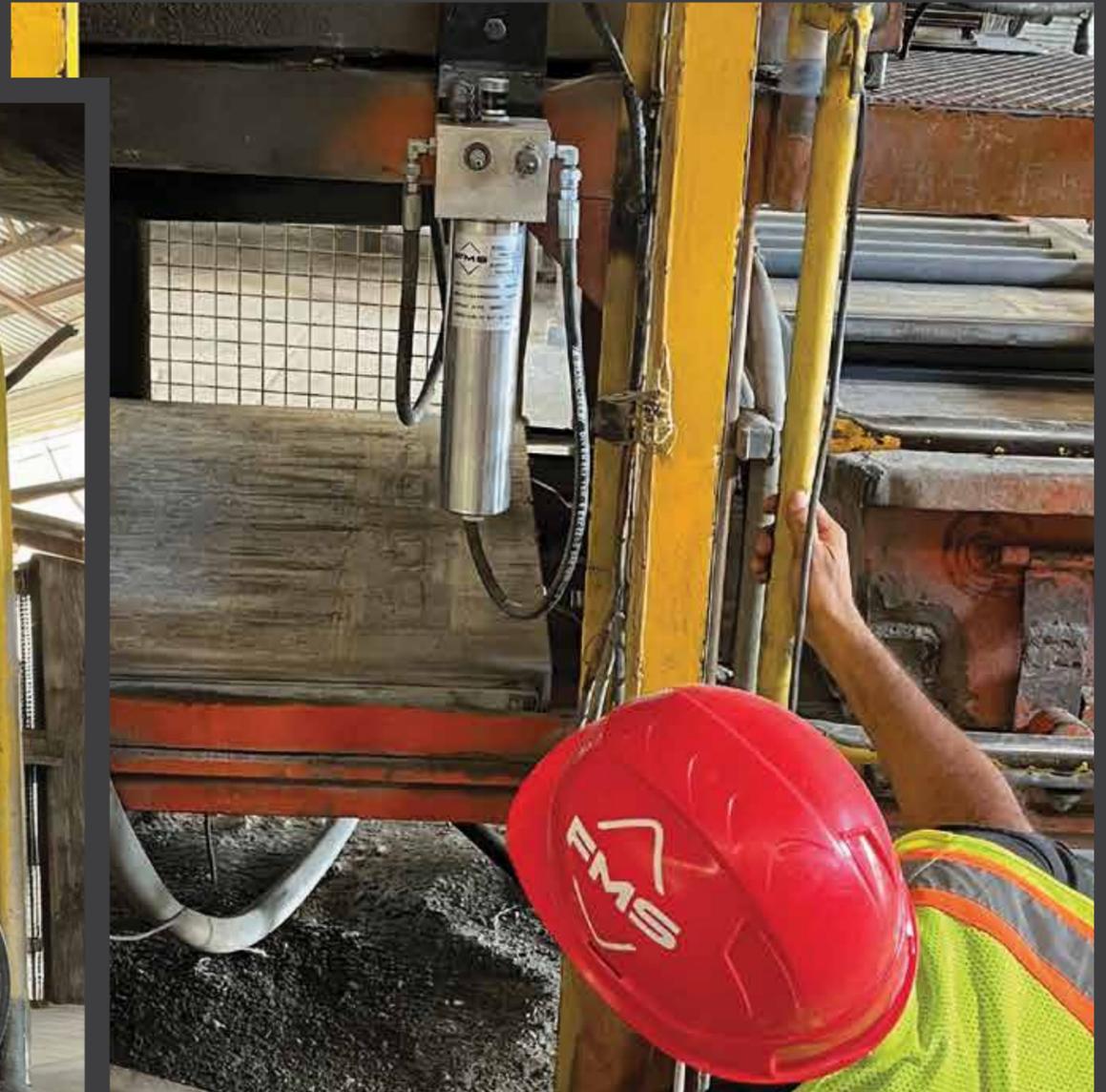
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- High contamination in the hydraulic oil (ISO 25/24/14).
 - Presence of particles and moisture in the system.
 - Frequent failures in hydraulic components.
 - Constant and costly repairs.

THE SOLUTION



Hydraulic oil filtration using a portable dialysis unit and a bypass system in cement block machinery.

RESULT: Optimal cleanliness level ISO 4406: 14/12/7.





HYDRAULIC OIL
BEFORE FMS

25/24/14

INITIAL ISO CODE



ULTRA-CLEAN
HYDRAULIC OIL
WITH FMS

14/12/7

FINAL ISO CODE

HYDRAULIC SYSTEMS

New cleanliness level

	22/20/17	21/19/16	21/18/15	19/17/14	18/16/13	17/15/12	16/14/11	15/13/10	14/12/9	13/11/8
28/26/23	5	7	9	>10	>10	>10	>10	>10	>10	>10
27/25/22	4	5	7	9	>10	>10	>10	>10	>10	>10
26/24/21	3	4	6	7	9	>10	>10	>10	>10	>10
25/23/20	2	3	4	5	7	9	>10	>10	>10	>10
24/22/19	1.6	2	3	4	5	7	8	>10	>10	>10
23/21/18	1.3	1.5	2	3	4	5	7	9	>10	>10
22/20/17		1.3	1.6	2	3	4	5	7	9	>10
21/19/16			1.3	1.6	2	3	4	5	7	9
20/18/15				1.3	1.6	2	3	4	5	7
19/17/14					1.3	1.6	2	3	4	6
18/16/13						1.3	1.6	2	3	4
17/15/12							1.3	1.6	2	3
16/14/11								1.3	1.6	2
15/13/10									1.4	1.8

Current machine cleanliness

10x

EXTENDED SERVICE
LIFE OF COMPONENTS
AND OILS

Source: Noria Corporation, Machinery Lubrication Fundamentals

Book a meeting to discover how to effectively

PROTECT YOUR ASSETS



fms-filtration.com

**DOUBLE
GREEN** 

Economic and Environmental Benefits