## LABORATORY ANALYSIS

Department	AZUL
Equipment No.	176 MAZAK 1 (00001)
System	Hydraulic System
Oil Type	ENGINEERED LUBRICANTS ENLUBE 15-AW ( GAL)

## DIAGNOSIS

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition.L, s, severity index and wpc levels are abnormal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code. Zinc (Zn) ppm levels are severely low. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Customer Id: ENC0005J03 Sample No.: EN23120033 Lab Number: 23120033 Test Package: TEST



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EGS MEXICO S DE RL DE CV VIA MONTERREY MATAMOROS NO 598

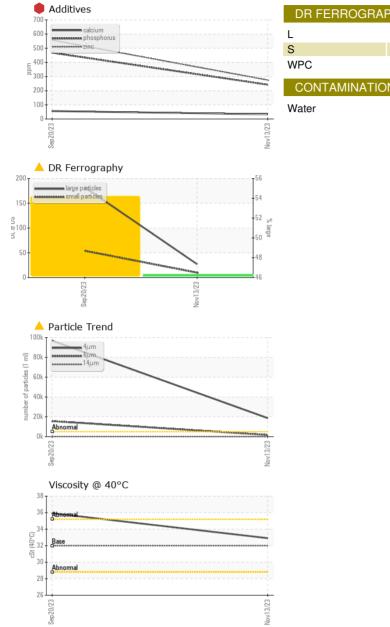
MEXICO, ZZ Mexico Contact: Lizbeth Manzanares Lizbeth.manzanares@emerson.com

T: F:

MATIO	N			
	New	2312-00033	2310-00443	
	(Typical)	13 Nov 2023	20 Sep 2023	
		UNK	UNK	
		SEVERE	SEVERE	
00F OF	R 40C (AST	VI D-445)		
SSU		170.2	185.6	
cSt	32.0	32.91	▲ 35.93	
ON AS	STM D1500 S	STANDARDS)		
Scale 0-8		1.0	1.0	
NT (PE	R 1ML)			
ISO 4406(c)	>19/18/14	21/18/12	24/21/14	
			· · · · ·	
		_	_	
		_		
		_		
			<5	
		_		
		_		
ppm		<5	<5	
		33	56	
		00	00	
ppm		~5	~5	
ppm		<5 242	<5 468	
ppm ppm		242	468	
ppm	668			
	00F OF SSU cSt ON AS Scale 0-8 NT (PE ISO 4406(c) particles/Iml particle	(Typical)     00F OR 40C (ASTI     SSU     cSt   32.0     ON ASTM D1500 S     Scale 0-8     NT (PER 1ML)     IS0 4406(c)   >19/18/14     paticles/Iml   >5000     paticles/Iml   >2500     paticles/Iml   >160     paticles/Iml   >3     ORTED IN PARTS     ppm     ppm	New     2312-00033       (Typical)     13 Nov 2023       UNK                SEVERE        00F OR 40C (ASTM D-445)     SSU       SSU     170.2       cSt     32.0       32.91     32.91       ON ASTM D1500 STANDARDS)       Scale 0.8     1.0       NT (PER 1ML)     118/12       patides/Im     >5000     18,710       patides/Im     >5000     1670       patides/Im     >10     1       patides/Im     >10     1       patides/Im     >3     0       ORTED IN PARTS PER MILLIONI     1       ppm     <5	New     2312-00033     2310-00443       (Typical)     13 Nov 2023     20 Sep 2023       UNK     UNK                           SEVERE     SEVERE       00F OR 40C (ASTM D-4445)     SSU       SSU     170.2     185.6       cSt     32.0     32.91     35.93       ON ASTM D1500 STANDARDS)     Scale 0-8     1.0     1.0       Nt (PER 1ML)     21/18/12     24/21/14       pridesim     >5000     18,710     96,892       pridesim     >5000     18,710     96,892       pridesim     >5000     116     11       pridesim     >10     11     11       pridesim     >3     0     0       OR     -5     <5



## **OIL ANALYSIS REPORT**



DR FERROGRAPHY READINGS							
L		<b>4</b> 27.0	182.0				
S		<u> </u>	<b>5</b> 4.0				
WPC	DL + DS	<b>A</b> 36.9	236				
CONTAMINATION							
Water	>0.05	NEG	NEG				