

LABORATORY ANALYSIS



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Department **GRIS**
Equipment No. **2116.3 MAZAK 2 (MAZAK FJV-25) (00002)**
System **Hydraulic System**
Oil Type **ENGINEERED LUBRICANTS ENLUBE 15-AW (--- GAL)**

DIAGNOSIS

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. There is no indication of any contamination in the oil. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

Lab Number	New	2312-00052	---	---
Date of Sample	(Typical)	13 Nov 2023	---	---
Oil Added		UNK	---	---
Last Drain Date		--	---	---
Last Filter Service		--	---	---
Sample Point		---	---	---
Sample Status		NORMAL	---	---

VISCOSITY @ 100F OR 40C (ASTM D-445)

SSU Vis. @ 100F	SSU	168.1	---	---
cSt Vis. @ 40C	cSt	32.0	32.50	---

COLOR (BASED ON ASTM D1500 STANDARDS)

Color	Scale 0-8	0.5	---	---
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PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>19/18/14	19/16/12	---	---
4 Micron & Larger	particles/ml	>5000	2,660	---	---
6 Micron & Larger	particles/ml	>2500	518	---	---
14 Micron & Larger	particles/ml	>160	40	---	---
21 Micron & Larger	particles/ml	>40	14	---	---
38 Micron & Larger	particles/ml	>10	1	---	---
70 Micron & Larger	particles/ml	>3	0	---	---

ICP - OILS (REPORTED IN PARTS PER MILLION)

Aluminum (Al)	ppm	<5	---	---
Antimony (Sb)	ppm	<5	---	---
Cadmium (Cd)	ppm	<5	---	---
Chromium (Cr)	ppm	<5	---	---
Cobalt (Co)	ppm	<5	---	---
Copper (Cu)	ppm	<5	---	---
Iron (Fe)	ppm	<5	---	---
Lead (Pb)	ppm	<5	---	---
Manganese (Mn)	ppm	<5	---	---
Molybdenum(Mo)	ppm	<5	---	---
Nickel (Ni)	ppm	<5	---	---
Silver (Ag)	ppm	<5	---	---
Tin (Sn)	ppm	<5	---	---
Titanium (Ti)	ppm	<5	---	---
Vanadium (V)	ppm	<5	---	---
Barium (Ba)	ppm	<5	---	---
Boron (B)	ppm	<5	---	---
Calcium (Ca)	ppm	106	---	---
Magnesium (Mg)	ppm	<5	---	---
Phosphorus(P)	ppm	544	---	---
Silicon (Si)	ppm	<5	---	---
Zinc (Zn)	ppm	668	646	---
Sulfur (S)	ppm	1,600	---	---

Customer Id: ENC0005J03
Sample No.: EN23120052
Lab Number: 23120052
Test Package: TEST



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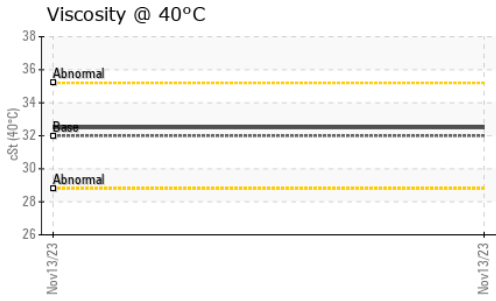
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OIL ANALYSIS REPORT



DR FERROGRAPHY READINGS

L		■ 3.6	---	---
S		■ 2.3	---	---
WPC	DL + DS	■ 5.9	---	---

CONTAMINATION

Water	>0.05	NEG	---	---
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