

LABORATORY ANALYSIS



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NMCA-PRN
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Department **MACHINING**
Equipment No. **MICRO DYNAMICS (X0018)**
System **Machining Fluid**
Oil Type **ENGINEERED LUBRICANTS ENCOOL SS-7478EP-AS (--- GAL)**

Diagnosis

Add ENGINEERED LUBRICANTS ENCOOL SS-7478EP-AS concentrate until reaching a dilution of 15:1. The desired refractometer reading for this reservoir is 3.59.(not applicable) There is no indication of any contamination in the machining fluid. Ratio is slightly lean. Maintaining the desired ratio is the top priority for optimum coolant performance and longevity.

Sample Information

Lab Number	New	2404-01069	2312-00845	2308-01328
Date of Sample	(Typical)	23 Apr 2024	19 Dec 2023	24 Aug 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		ABNORMAL	SEVERE	ABNORMAL

RATIO PER REFRACTOMETER

Refract. Reading		2.5	2.4	2.7
Refract. Model		DIGITAL	DIGITAL	DIGITAL
Refract. Ratio	oil:water	▲ 22:1	▲ 23:1	▲ 20:1

pH (ASTM E-70)

pH	Scale 0-14	■ 9.2	■ 9.1	■ 9.1
Ratio Rec`d	oil:water	AS REC'D	AS REC'D	AS REC'D

BACTERIA COUNT (Class Range 0 to 6)

Bacteria Class	Scale 0-6	■ 0	■ 0	■ 0
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FUNGUS COUNT (Class Ranges: Yeast 0 to 4/Mold 0 to 3)

Yeast Class	Scale 0-4	■ 0	▲ 2	■ 0
Mold Class	Scale 0-3	■ 0	■ 0	■ 0

Contamination

Water		NEG	NEG	NEG
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Customer Id: NMCPRI
Sample No.: EN0000229
Lab Number: 24041069
Test Package: TEST



To manage this report scan the QR code

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FUEL REPORT