

LABORATORY ANALYSIS



11525 Rock Island Court, St. Louis, MO 63043
Tel: 1-800-876-0008 info@englube.com

ABB MOTORS & MECHANICAL
3560 SCARLET OAK BLVD.
ST. LOUIS, MO
United States 63122
Contact: Service Manager

Equipment No. **17 (00020)**
System **Gear Lube System**
Oil Type **MOBIL MOBILFLUID 424 (--- GAL)**

T:
F:

DIAGNOSIS

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

Lab Number	New	2312-00972	2305-00341	---
Date of Sample	(Typical)	21 Dec 2023	05 May 2023	---
Oil Added		UNK	UNK	---
Last Drain Date		--	--	---
Last Filter Service		--	--	---
Sample Point		---	---	---
Sample Status		ABNORMAL	SEVERE	---

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

SSU Vis. @ 100F	SSU	275.9	278.2	---
cSt Vis. @ 40C	cSt	53.37	53.81	---

% WATER - RELATIVE HUMIDITY SENSOR (ASTM D7546)

% Water	%	0.053	0.053	---
ppm Water	ppm	530	530	---

TOTAL ACID NUMBER (NEUT. NO.)(ASTM D974)

TAN, mg KOH/g	mg KOH/g	3.27	5.57	---
---------------	----------	-------------	------	-----

ENERGY DISPERSIVE XRF - PPM (*BELOW MINIMUM DETECTION LIMIT)

Aluminum (Al)	ppm	*	*	---
Antimony (Sb)	ppm	*	*	---
Cadmium (Cd)	ppm	*	*	---
Chromium (Cr)	ppm	*	*	---
Cobalt (Co)	ppm	*	*	---
Copper (Cu)	ppm	18	*	---
Iron (Fe)	ppm	*	26	---
Lead (Pb)	ppm	*	*	---
Manganese (Mn)	ppm	*	*	---
Molybdenum(Mo)	ppm	*	*	---
Nickel (Ni)	ppm	*	*	---
Potassium (K)	ppm	*	*	---
Tin (Sn)	ppm	*	*	---
Titanium (Ti)	ppm	*	*	---
Vanadium (V)	ppm	*	*	---
Barium (Ba)	ppm	*	*	---
Calcium (Ca)	ppm	3,480	3,460	---
Magnesium (Mg)	ppm	*	*	---
Phosphorus(P)	ppm	1,070	1,070	---
Silicon (Si)	ppm	*	*	---
Zinc (Zn)	ppm	1,270	1,280	---
Chlorine (Cl)	ppm	*	61	---
Sulfur (S)	ppm	3,460	3,500	---

DR FERROGRAPHY READINGS

L		13.5	5.7	---
S		3.0	2.7	---
WPC	DL + DS	16.5	8.4	---

Customer Id: ENC0009101
Sample No.: EN23120972
Lab Number: 23120972
Test Package: TEST



To manage this report scan the QR code

To discuss the diagnosis or test data:

Brad Fritz +1 (314)872-9540
bfritz@englube.com

To change component or sample information:

Tracy Weaks +1 (314)872-9540
tweaks@englube.com

OIL ANALYSIS REPORT

