

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. **03-185 PRESS 16 (00025)**
System **Oil**
Oil Type **MOBIL MOBILGEAR 600 XP 220 (--- GAL)**

T:
F:

DIAGNOSIS

We advise that you check all areas where contaminants can enter the system. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. L, s and severity index and wpc levels are severe. Iron (Fe), copper (cu) ppm levels are abnormal. There is a high amount of particulates (2 to 100 microns in size) present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

Lab Number	New	2312-00975	---	---
Date of Sample	(Typical)	21 Dec 2023	---	---
Oil Added		UNK	---	---
Last Drain Date		--	---	---
Last Filter Service		--	---	---
Sample Point		---	---	---
Sample Status		SEVERE	---	---

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

SSU Vis. @ 100F	SSU	1,174.7	---	---
cSt Vis. @ 40C	cSt	220	222.1	---

PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>19/17/14	25/23/19	---	---
4 Micron & Larger	particles/ml	>5000	249,042	---	---
6 Micron & Larger	particles/ml	>1300	67,647	---	---
14 Micron & Larger	particles/ml	>160	3,586	---	---
21 Micron & Larger	particles/ml	>40	927	---	---
38 Micron & Larger	particles/ml	>10	60	---	---
70 Micron & Larger	particles/ml	>3	2	---	---

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	21	---	---
Iron (Fe)	ppm	21	---	---
Lead (Pb)	ppm	14	---	---
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	<5	---	---
Magnesium (Mg)	ppm	<5	---	---
Phosphorus(P)	ppm	308	---	---
Silicon (Si)	ppm	<5	---	---
Zinc (Zn)	ppm	19	---	---
Sulfur (S)	ppm	6,510	---	---

DR FERROGRAPHY READINGS

L		287.0	---	---
S		104.0	---	---
WPC	DL + DS	391	---	---

Customer Id: ENC0009101
Sample No.: EN23120975
Lab Number: 23120975
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

CONTAMINATION

Water NEG --- ---

