

LABORATORY ANALYSIS



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

Equipment No. **03-179 PRESS 03 (00023)**
System **Unknown Component**
Oil Type **MOBIL MOBILGEAR 600 XP 220 (--- GAL)**

T:
F:

DIAGNOSIS

We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the sample. The sample is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORMATION

Lab Number	New	2312-00973	---	---
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	1,178.5	---	---
cSt Vis. @ 40C	cSt	220	222.8	---

PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>19/17/14	23/19/13	---	---
4 Micron & Larger	particles/ml	>5000	49,172	---	---
6 Micron & Larger	particles/ml	>1300	4,334	---	---
14 Micron & Larger	particles/ml	>160	71	---	---
21 Micron & Larger	particles/ml	>40	12	---	---
38 Micron & Larger	particles/ml	>10	0	---	---
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	17	---	---
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	<5	---	---
Magnesium (Mg)	ppm	<5	---	---
Phosphorus(P)	ppm	303	---	---
Silicon (Si)	ppm	5	---	---
Zinc (Zn)	ppm	19	---	---
Sulfur (S)	ppm	8,300	---	---

DR FERROGRAPHY READINGS

L		55.5	---	---
S		24.2	---	---
WPC	DL + DS	79.7	---	---

Customer Id: ENC0009101
Sample No.: EN23120973
Lab Number: 23120973
Test Package: TEST



To manage this report scan the QR code

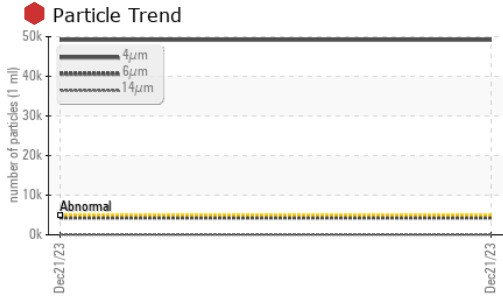
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OIL ANALYSIS REPORT



CONTAMINATION

Water	NEG	---	---
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