

OIL ANALYSIS REPORT

Area **Propulsion/Steering** Machine Ro Main Propulsion Thruster Port #4 (S/N C240558)

4 Sternthruster

Fluid MOBIL MOBILGEAR 600 XP ISO100 (3000 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MAR 3 test kits, this testkit includes AN to determine the suitability of the oil for continued use. this testkit includes Particle Count to determine the ISO cleanliness of the fluid. this testkit includes Analytical Ferrography which provides a detailed morphological analysis of wear particles present in the fluid.

Wear

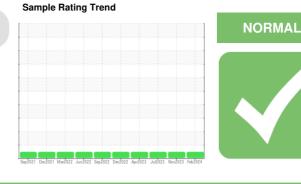
Component wear rates appear to be normal (unconfirmed).

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

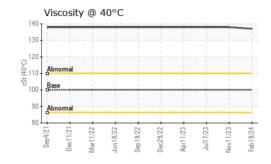
Viscosity of sample indicates oil is within ISO 150 range, advise investigate. The condition of the oil is acceptable for the time in service (unconfirmed).



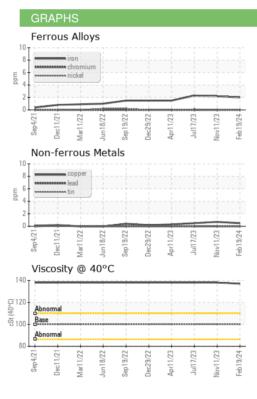
Sample NumberClient InfoWC0850505WC0850475WC07540Sample DateClient Info19 Feb 202411 Nov 202317 Jul 202Machine AgehrsClient Info735107200469368Oil AgehrsClient Info01709414458Oil ChangedClient InfoNot ChangdNot ChangdNot ChangdSample StatusLNORMALNORMALNORMAL	
Machine AgehrsClient Info735107200469368Oil AgehrsClient Info01709414458Oil ChangedClient InfoNot ChangdNot ChangdNot Changd	23
Oil Age hrs Client Info 0 17094 14458 Oil Changed Client Info Not Changd Not Changd Not Changd	
Oil Changed Client Info Not Changd Not Changd Not Change	
Sample Status NORMAL NORMAL NORMAL	gd
CONTAMINATION method limit/base current history1 histor	y2
Water WC Method >0.1 NEG NEG NEG	
WEAR METALS method limit/base current history1 histor	y2
Iron ppm ASTM D5185(m) >25 2 2 2	
Chromium ppm ASTM D5185(m) >3 0 0 0	
Nickel ppm ASTM D5185(m) >2 0 <1	
Titanium ppm ASTM D5185(m) 0 0 0	
Silver ppm ASTM D5185(m) 0 <1	
Aluminum ppm ASTM D5185(m) >2 0 0 0	
Lead ppm ASTM D5185(m) >3 0 0 0	
Copper ppm ASTM D5185(m) >3 <1	
Tin ppm ASTM D5185(m) >3 0 0 0	
Antimony ppm ASTM D5185(m) 0 0 0	
Vanadium ppm ASTM D5185(m) 0 0 0	
Beryllium ppm ASTM D5185(m) 0 0 0	
Cadmium ppm ASTM D5185(m) 0	
ADDITIVES method limit/base current history1 histor	y2
Boron ppm ASTM D5185(m) <1 4 3	
Barium ppm ASTM D5185(m) 0 <1 0	
Molybdenum ppm ASTM D5185(m) 0 0 0	
Manganese ppm ASTM D5185(m) 0 0 0	
Magnesium ppm ASTM D5185(m) <1	
Calcium ppm ASTM D5185(m) 1 2 2	
Phosphorus ppm ASTM D5185(m) 323 326 390	
Zinc ppm ASTM D5185(m) 3 4 4	
Sulfur ppm ASTM D5185(m) 6757 6873 7747	
Lithium ppm ASTM D5185(m) <1	
CONTAMINANTS method limit/base current history1 histor	у2
Silicon ppm ASTM D5185(m) >10 0 1 2	
Sodium ppm ASTM D5185(m) 0 <1 0	

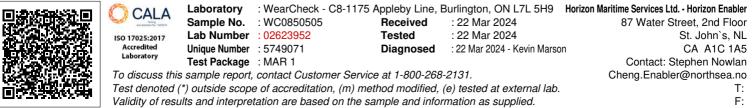


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	100	137	138	138
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color				NC NC		
Dettern						
Bottom						





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