

Area 5 Machine Id

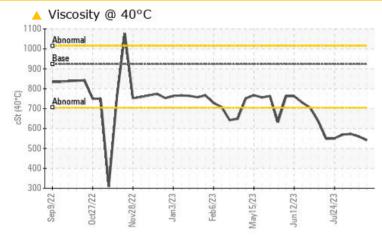
Component

PROBLEM SUMMARY

5-3-230-D Pump Station for Atox Roller Lube

Reservoir Bearing Lube MOBIL SHC 639 (1000 LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS						
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Visc @ 40°C	cSt	ASTM D7279(m)	923	<u> </u>	▲ 560	5 73

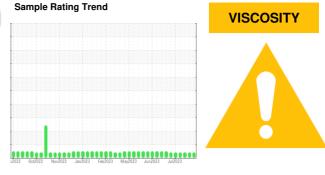
Customer Id: STMBOW Sample No.: WC0842790 Lab Number: 02577818 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 Kevin.Marson@wearcheck.com

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com



There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

14 Aug 2023 Diag: Kevin Marson

VISCOSITY



Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The oil viscosity is lower than typical, possibly indicating the addition of lighter grade oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

08 Aug 2023 Diag: Kevin Marson

VISCOSITY



0 0

Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The oil viscosity is lower than typical, possibly indicating the addition of lighter grade oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

view report



31 Jul 2023 Diag: Kevin Marson

Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Viscosity of sample indicates oil is within ISO 460 range, advise investigate. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT



Reservoir Bearing Lube Fluid MOBIL SHC 639 (1000 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

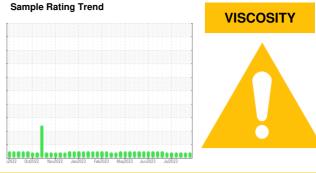
All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

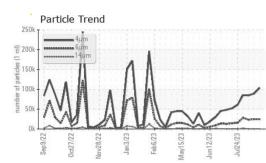
Viscosity of sample indicates oil is within ISO 460 range, advise investigate. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

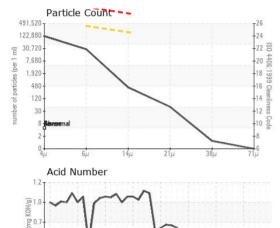


Sample Date Client Info 21 Aug 2023 14 Aug 2023 08 Aug 2023 Machine Age hrs Client Info 0 0 0 Dil Age hrs Client Info 0 0 0 Sample Status Client Info N/A N/A N/A N/A WEAR METALS method Imit/base current history1 history2 Iron ppm ASTM 05180m >20 1 1 1 Chromium ppm ASTM 05180m >20 <1	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 0 0 Dil Age hrs Client Info N/A N/A ABNORMAL ABNORMAL<	Sample Number		Client Info		WC0842790	WC0842788	WC0842787
Dil Age hrs Client Info 0 0 0 Dil Changed Client Info N/A N/A N/A N/A Sample Status Image Client Info N/A ABNORMAL ABNORMAL ABNORMAL WEAR METALS method Imit/base current history1 history2 Iron ppm ASTM 05(8)(m) >10 0 0 0 Nickel ppm ASTM 05(8)(m) >20 <1	Sample Date		Client Info		21 Aug 2023	14 Aug 2023	08 Aug 2023
Dil Changed Client Info N/A N/A N/A N/A Sample Status method limit/base current history1 ABNORMAL WEAR METALS method limit/base current history1 history2 fron ppm ASTM 05(80) >20 1 1 1 Chromium ppm ASTM 05(80) >20 0 0 0 Nickel ppm ASTM 05(80) >20 0 0 0 Bilver ppm ASTM 05(80) >30 0 0 0 Copper ppm ASTM 05(80) >17 <1	Machine Age	hrs	Client Info		0	0	0
Sample Status Image: Status ABNORMAL ABNORMAL ABNORMAL ABNORMAL ABNORMAL WEAR METALS method limit/base current history1 history2 Iron ppm ASTMD5(85m) >10 0 0 Nickel ppm ASTMD5(85m) >20 <1	Oil Age	hrs	Client Info		0	0	0
WEAR METALS method limit/base current history1 history2 iron ppm ASTM 0518(m) >12.0 1 1 1 Chromium ppm ASTM 0518(m) >5.5 0 0 0 Nickel ppm ASTM 0518(m) >20 <1	Oil Changed		Client Info		N/A	N/A	N/A
Iron ppm ASTM D5185(m) >12.0 1 1 1 Chromium ppm ASTM D5185(m) >5 0 0 0 Nickel ppm ASTM D5185(m) >20 <1	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Chromium ppm ASTM D5185(m) >55 0 0 0 Nickel ppm ASTM D5185(m) >20 <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185(m) >20 <1 0 0 Titanium ppm ASTM D5185(m) 0 0 0 0 Silver ppm ASTM D5185(m) >44 <1	Iron	ppm	ASTM D5185(m)	>120	1	1	1
Titanium ppm ASTM D5185(m) 0 0 0 0 Silver ppm ASTM D5185(m) >4 <1	Chromium	ppm	ASTM D5185(m)	>5	0	0	0
Silver ppm ASTM D5185(m) 0 0 0 0 Aluminum ppm ASTM D5185(m) >44 <1	Nickel	ppm	ASTM D5185(m)	>20	<1	0	0
Auminum ppm ASTM D5185(m) >4 <1 <1 <1 <1 Lead ppm ASTM D5185(m) >30 0 0 0 Copper ppm ASTM D5185(m) >10 0 0 0 Antimony ppm ASTM D5185(m) 0 0 0 0 Vanadium ppm ASTM D5185(m) 0 0 0 0 Antimony ppm ASTM D5185(m) 0 0 0 0 Vanadium ppm ASTM D5185(m) 0.0 0 0 0 Beryllium ppm ASTM D5185(m) 0.0 0 0 0 Manganese ppm ASTM D5185(m) 0.0 0 0 0 Manganese ppm ASTM D5185(m) 0.0 0 0 0 Manganese ppm ASTM D5185(m) 0.0 2 2 3 3 Sulfur ppm ASTM D5185(m)	Titanium	ppm	ASTM D5185(m)		0	0	0
Aluminum ppm ASTM D5185(m) >-4 <1 <1 <1 Lead ppm ASTM D5185(m) >-30 0 0 0 Copper ppm ASTM D5185(m) >17 <1	Silver				0	0	0
Lead ppm ASTM 05185(m) >30 0 0 0 Copper ppm ASTM 05185(m) >17 <1	Aluminum			>4	<1	<1	<1
Copper ppm ASTM D5185(m) >17 <1 <1 <1 <1 Tin ppm ASTM D5185(m) >10 0 0 0 Vanadium ppm ASTM D5185(m) 0 0 0 0 Beryllium ppm ASTM D5185(m) 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 0.0 0 0 0 Molybdenum ppm ASTM D5185(m) 0.0 0 0 0 Molybdenum ppm ASTM D5185(m) 0.0 0 0 0 Maganese ppm ASTM D5185(m) 0.0 0 0 0 Calcium ppm ASTM D5185(m) 0.0 2 2 3 Sulfur ppm ASTM D5185(m) 0.0 2 2 3 Sulfur ppm ASTM D5185(m) 0.0	Lead				0	0	0
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Calcium ppm ASTM D5185(m) 0.0 2 <1 <1 Phosphorus ppm ASTM D5185(m) 691 387 384 385 Zinc ppm ASTM D5185(m) 2.0 2 2 3 Sulfur ppm ASTM D5185(m) 1.8 165 115 147 Lithium ppm ASTM D5185(m) 1.8 165 115 147 Lithium ppm ASTM D5185(m) 1.8 165 115 147 Lithium ppm ASTM D5185(m) 2.5 12 1.3 1.3 Sodium ppm ASTM D5185(m) >2.0 <1	-	ppm	1 I		-		
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CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >25 12 13 13 Sodium ppm ASTM D5185(m) >25 12 13 13 Potassium ppm ASTM D5185(m) <1	Sulfur	ppm	ASTM D5185(m)	18	165	115	147
Silicon ppm ASTM D5185(m) >25 12 13 13 Sodium ppm ASTM D5185(m) <1	Lithium	ppm	ASTM D5185(m)		<1	<1	<1
Sodium ppm ASTM D5185(m) <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <td>CONTAMINANTS</td> <td></td> <td>method</td> <td>limit/base</td> <th>current</th> <td>history1</td> <td>history2</td>	CONTAMINANTS		method	limit/base	current	history1	history2
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Potassium ppm ASTM D5185(m) >20 <1 <1 0 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 103486 89389 84709 Particles >6µm ASTM D7647 >320000 24716 24670 23213 Particles >6µm ASTM D7647 >160000 367 376 382 Particles >14µm ASTM D7647 >40000 43 43 43 Particles >21µm ASTM D7647 >10000 1 2 1 Particles >38µm ASTM D7647 >2500 0 0 0 Particles >71µm ASTM D7647 >2500 0 0 0 0 Oil Cleanliness ISO 4406 (c) >25/24 22/16 22/16 22/16 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg K0Hg ASTM D974* 0.32 0.37 0.36 <	Sodium	ppm	ASTM D5185(m)		<1	<1	<1
Particles >4μm ASTM D7647 103486 89389 84709 Particles >6μm ASTM D7647 >320000 24716 24670 23213 Particles >14μm ASTM D7647 >160000 367 376 382 Particles >21μm ASTM D7647 >40000 43 43 43 Particles >21μm ASTM D7647 >40000 1 2 1 Particles >38μm ASTM D7647 >2500 0 0 0 Particles >71μm ASTM D7647 >2500 0 0 0 Oil Cleanliness ISO 4406 (c) >25/24 22/16 22/16 22/16 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D974* 0.32 0.37 0.36 0.17	Potassium				<1	<1	
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Particles >14µm ASTM D7647 >160000 367 376 382 Particles >21µm ASTM D7647 >40000 43 43 43 Particles >38µm ASTM D7647 >10000 1 2 1 Particles >38µm ASTM D7647 >2500 0 0 0 Particles >71µm ASTM D7647 >2500 0 0 0 Oil Cleanliness ISO 4406 (c) >25/24 22/16 22/16 22/16 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D974* 0.32 0.37 0.36 0.17	Particles >6μm		ASTM D7647	>320000		24670	23213
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Particles >38μm ASTM D7647 >10000 1 2 1 Particles >71μm ASTM D7647 >2500 0 0 0 Oil Cleanliness ISO 4406 (c) >25/24 22/16 22/16 22/16 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D974* 0.32 0.37 0.36 0.17	•						
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Acid Number (AN) mg KOH/g ASTM D974* 0.32 0.37 0.36 0.17	Oil Cleanliness						
Acid Number (AN) mg KOH/g ASTM D974* 0.32 0.37 0.36 0.17	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	18:07) Rev: 1						Submitted By:



OIL ANALYSIS REPORT





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*	>0.2	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)	923	4 541	▲ 560	5 73
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color						
Bottom						

