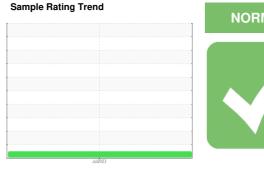


OIL ANALYSIS REPORT

Evp Island **GOULDS A HSC Pump 0303** Component

Pump Fluid

MOBIL SHC 626 (1 GAL)





Recommendation

Resample at the next service interval to monitor. Analytical Ferrography: Results are normal with typical amounts of ferrous rubbing wear and contamination present.

Wear

All component wear rates are normal. The analytical ferrographic results are normal indicating no abnormal wear in the system.

Contaminants

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

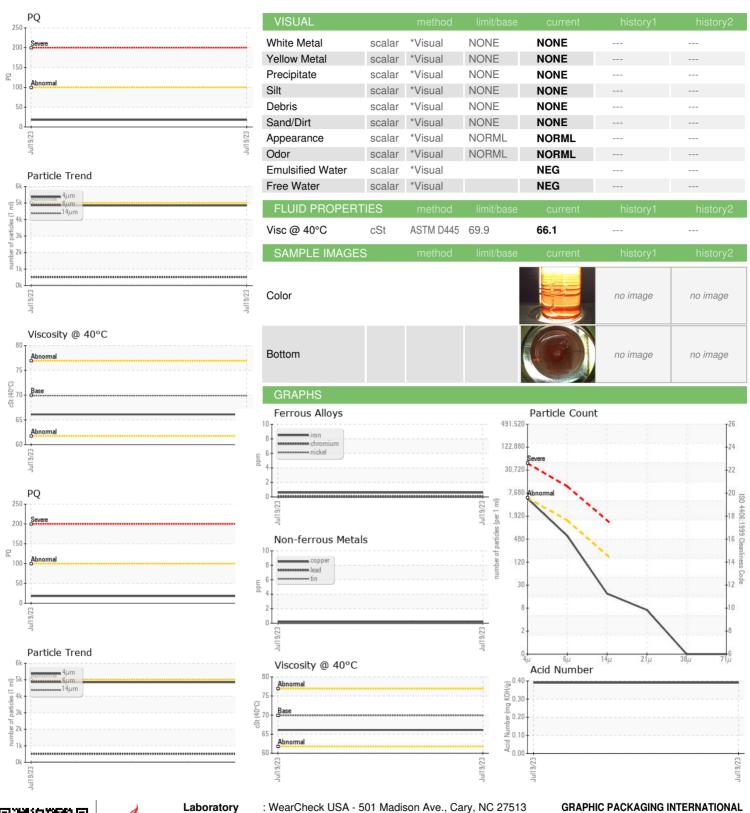
Oil Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

				Jul2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0824314		
Sample Date		Client Info		19 Jul 2023		
Machine Age	mths	Client Info		0		
Oil Age	mths	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		18		
Iron	ppm	ASTM D5185m	>90	<1		
Chromium	ppm	ASTM D5185m	>5	0		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m	>3	0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>7	0		
Lead	ppm	ASTM D5185m	>12	0		
Copper	ppm	ASTM D5185m	>30	<1		
Tin	ppm	ASTM D5185m	>9	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
	ррпп	AOTIVI DOTOSIII		•		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		374		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		6		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	3		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLIN	IESS _	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	4845		
Particles >6µm		ASTM D7647	>1300	514		
Particles >14µm		ASTM D7647	>160	16		
Particles >21µm		ASTM D7647	>40	6		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/11		
FLUID DEGRAD	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.39		



OIL ANALYSIS REPORT





Laboratory Sample No. Lab Number **Unique Number**

: WC0824314 : 05904961

Received : 21 Jul 2023 Diagnosed : 10566317 Diagnostician

: 03 Aug 2023 : Aaron Black Test Package : PLANT (Additional Tests: A-FERR)

Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

100 GRAPHIC PACKAGING INTERNATIONAL MACON, GA

> US 31206 Contact: DARYL SPRINGER

daryl.springer@graphicpkg.com T: (478)784-3677

F:



FERROGRAPHY REPORT

Evp Island Machine Id GOULDS A HSC Pump 0303

Pump Fluid

MOBIL SHC 626 (1 GAL)









FERROGRAPHY		method	limit/base	current	history1	history2
Ferrous Rubbing	Scale 0-10	*ASTM D7684		2		
Ferrous Sliding	Scale 0-10	*ASTM D7684				
Ferrous Cutting	Scale 0-10	*ASTM D7684				
Ferrous Rolling	Scale 0-10	*ASTM D7684				
Ferrous Break-in	Scale 0-10	*ASTM D7684				
Ferrous Spheres	Scale 0-10	*ASTM D7684				
Ferrous Black Oxides	Scale 0-10	*ASTM D7684				
Ferrous Red Oxides	Scale 0-10	*ASTM D7684				
Ferrous Corrosive	Scale 0-10	*ASTM D7684				
Ferrous Other	Scale 0-10	*ASTM D7684				
Nonferrous Rubbing	Scale 0-10	*ASTM D7684				
Nonferrous Sliding	Scale 0-10	*ASTM D7684				
Nonferrous Cutting	Scale 0-10	*ASTM D7684				
Nonferrous Rolling	Scale 0-10	*ASTM D7684				
Nonferrous Other	Scale 0-10	*ASTM D7684				
Carbonaceous Material	Scale 0-10	*ASTM D7684				
Lubricant Degradation	Scale 0-10	*ASTM D7684				
Sand/Dirt	Scale 0-10	ASTM D7684				
Fibres	Scale 0-10	*ASTM D7684				
Spheres	Scale 0-10	*ASTM D7684				
Other	Scale 0-10	*ASTM D7684		2		

WEAR

All component wear rates are normal. The analytical ferrographic results are normal indicating no abnormal wear in the system.

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