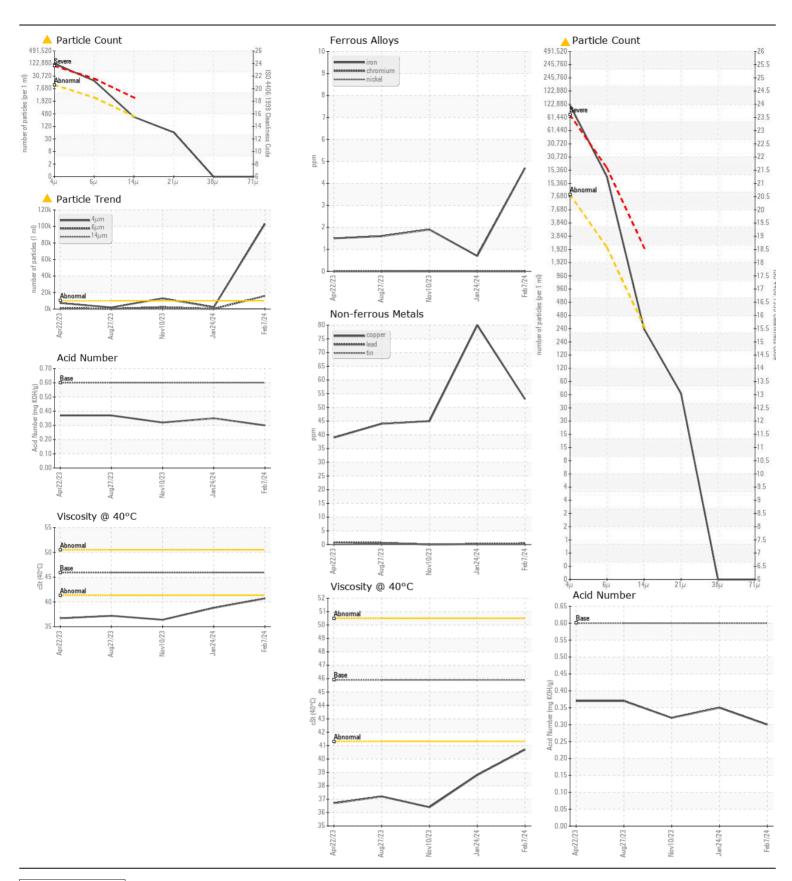
**WEAR CONTAMINATION FLUID CONDITION** 

**NORMAL ABNORMAL NORMAL** 

## Area SEAWARD EXPLORER Machine Id Explorer - Voith

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0886562	WC0891234	WC085938
No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		07 Feb 2024	24 Jan 2024	10 Nov 202
	Machine Age	hrs	Client Info		16555	15075	15961
	Oil Age	hrs	Client Info		4	0	15961
	Filter Age	hrs	Client Info		4	0	0
	Oil Changed		Client Info		Changed	Ü	Not Change
	Filter Changed		Client Info		Changed	U	N/A
	Sample Status				ABNORMAL	ABNORMAL	ATTENTION
WEAR	Iron	ppm	ASTM D5185m	<b>&gt;100</b>	5	<1	2
WLAN	Chromium	ppm	ASTM D5185m		0	0	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m	710	0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>25	1	0	0
	Lead	ppm	ASTM D5185m		<1	<1	0
	Copper	ppm	ASTM D5185m		53	<b>A</b> 80	45
	Tin	ppm	ASTM D5185m	>10	0	0	0
	Vanadium	ppm	ASTM D5185m		<1	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
OONIT A BUNKA TIONI							
CONTAMINATION	Silicon	ppm	ASTM D5185m		<1	<1	<1
There is a high amount of silt (particulates < 14 microns in size) present in the fluid.	Potassium	ppm	ASTM D5185m		0	0	0
	Water		WC Method		NEG	NEG 2162	NEG
	Particles >4µm Particles >6µm		ASTM D7647 ASTM D7647		▲ 103186 ▲ 15909	165	12848 2269
	Particles >6µm		ASTM D7647		297	12	108
	Particles >21µm		ASTM D7647		55	3	22
	Particles >38µm		ASTM D7647		0	0	2
	Particles >71µm		ASTM D7647	>4	0	0	0
	Oil Cleanliness		ISO 4406 (c)		<u> 24/21/15</u>	18/15/11	21/18/14
	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
	<b>Emulsified Water</b>	scalar	*Visual	>0.1	NEG	NEG	NEG
ELUID CONDITION	O a alta ana		AOTM DE405		4	4	4
FLUID CONDITION	Sodium	ppm	ASTM D5185m	0	4	<1	4
The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.	Boron Barium	ppm	ASTM D5185m ASTM D5185m		0	0 <1	0
	Molybdenum	ppm	ASTM D5185m		0	0	0
	Manganese	ppm	ASTM D5165III	U	<1	0	<1
	Magnesium	ppm	ASTM D5185m	0	0	0	0
	Calcium	ppm	ASTM D5185m		73	106	63
	Phosphorus	ppm	ASTM D5185m		300	334	343
	Zinc	ppm	ASTM D5185m		325	395	445
	Sulfur	ppm	ASTM D5185m		1091	1408	1192
	Acid Number (AN)		ASTM D8045		0.30	0.35	0.32

38.8 36.4





Laboratory Sample No. Unique Number : 10902730

: WC0886562 Lab Number : 06104500

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** 

Diagnosed

: 29 Feb 2024 : 06 Mar 2024 : 06 Mar 2024 - Jonathan Hester

Contact: PETER CHARBONNET

**SEAWARD SERVICES** 222 PEARL ST NEW ALBANY, IN US 47150

Test Package: MAR 2 (Additional Tests: PRTCOUNT) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

PCHARBONNET@HMS-SEAWARD.COM T:

\* - 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)

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