

# **OIL ANALYSIS REPORT**

#### Area SEAWARD EXPLORER Machine Id Explorer Component Port Reduction Gear

Port Reduction Gear Fluid MOBIL DELVAC 1640 (--- GAL)

#### DIAGNOSIS

## Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

### Wear

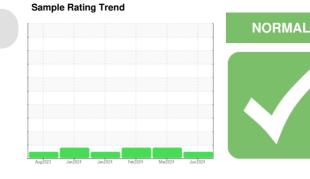
All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

#### Fluid Condition

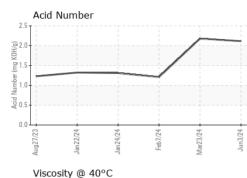
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

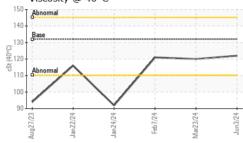


SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0946161	WC0886564	WC0859379
Sample Date		Client Info		03 Jun 2024	23 Mar 2024	07 Feb 2024
Machine Age	hrs	Client Info		17773	17378	16717
Oil Age	hrs	Client Info		384	665	4
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	ABNORMAL	ABNORMAL
CONTAMINATION	٧	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	7	15	13
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	2	<1
Lead	ppm	ASTM D5185m	>100	0	<1	3
Copper	ppm	ASTM D5185m	>50	49	<b>1</b> 23	<b>1</b> 07
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		<1	1	1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2	1	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	3	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		247	243	295
Calcium	ppm	ASTM D5185m		3634	3434	3869
Phosphorus	ppm	ASTM D5185m		935	862	939
Zinc	ppm	ASTM D5185m		996	932	1096
Sulfur	ppm	ASTM D5185m		5086	4018	4061
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	12	13	12
Sodium	ppm	ASTM D5185m		13	23	22
Potassium	ppm	ASTM D5185m	>20	2	3	<1
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		2.115	2.18	1.21

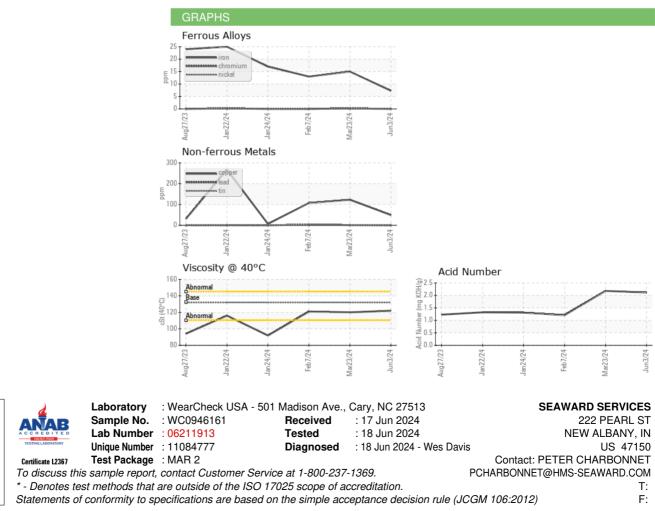


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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 D445	132	122	120	121
SAMPLE IMAGES	\$	method	limit/base	current	history1	history2
Color				no image	no image	
Bottom				no image	no image	



Submitted By: PETER CHARBONNET

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