



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
356010
 Component
Starboard Reduction Gear
 Fluid
MOBIL DELVAC 1240 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment:
 Top Up Amount: 1 GAL)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KL0013590	KL0011795	KL0011789
Sample Date		Client Info		01 Jul 2024	26 May 2024	12 Feb 2024
Machine Age	hrs	Client Info		41990	41490	39880
Oil Age	hrs	Client Info		500	2040	500
Filter Age	hrs	Client Info		250	2040	500
Oil Changed		Client Info		Oil Added	Changed	Oil Added
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	5	14	8
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	3	<1	1
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	<1	0
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

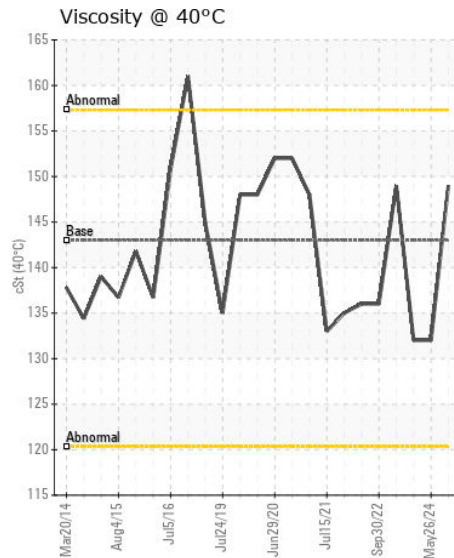
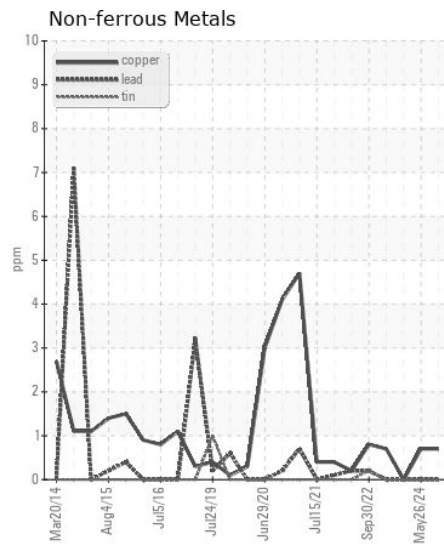
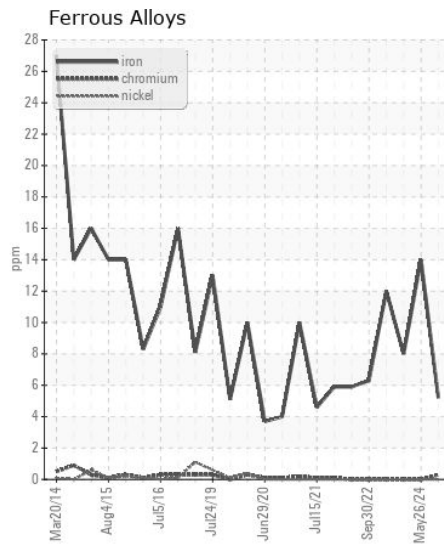
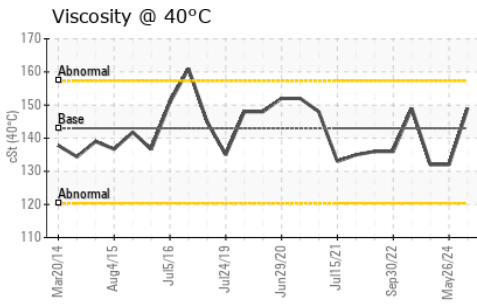
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	2	4	4
Potassium	ppm	ASTM D5185m	>20	2	<1	0
Water		WC Method	>0.1	NEG	NEG	NEG
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

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		0	4	2
Boron	ppm	ASTM D5185m		15	106	94
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		11	62	63
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		1347	1105	1148
Calcium	ppm	ASTM D5185m		46	223	236
Phosphorus	ppm	ASTM D5185m		1252	1107	1024
Zinc	ppm	ASTM D5185m		1276	1099	1110
Sulfur	ppm	ASTM D5185m		13419	11292	8615
Visc @ 40°C	cSt	ASTM D445	143	149	132	132



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0013590
Lab Number : 06235258
Unique Number : 11124092
Test Package : FLEET
Received : 12 Jul 2024
Tested : 15 Jul 2024
Diagnosed : 15 Jul 2024 - Sean Felton

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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)