



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
MARTY BASKERVILLE
Machine Id
[**MARTY BASKERVILLE**] 006 503208-6
Component
Starboard Reduction Gear
Fluid
CHEVRON MEROPA 320 (250 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0063134	MW0067838	MW0064765
Sample Date		Client Info		01 May 2024	01 Mar 2024	01 Feb 2024
Machine Age	hrs	Client Info		41051	39760	39094
Oil Age	hrs	Client Info		0	39760	39094
Filter Age	hrs	Client Info		0	0	39094
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		None	None	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	52	31	33
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	4	1	2
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	5	3	4
Lead	ppm	ASTM D5185m	>100	<1	0	0
Copper	ppm	ASTM D5185m	>50	6	3	4
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

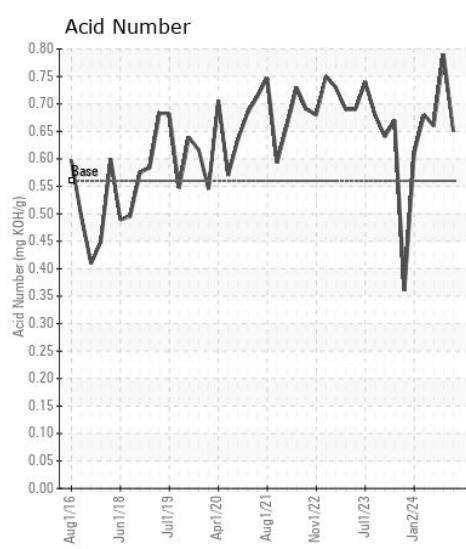
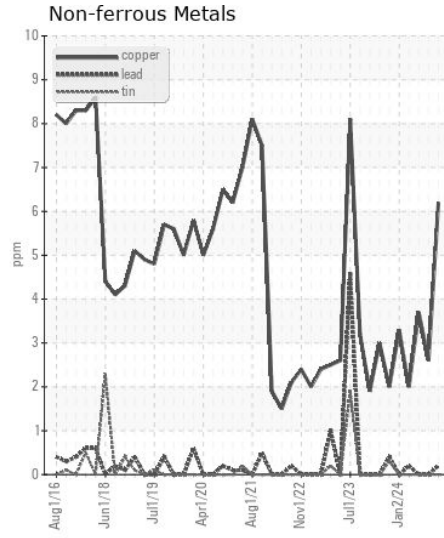
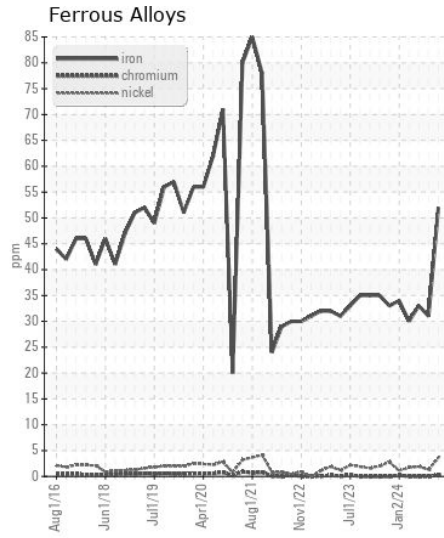
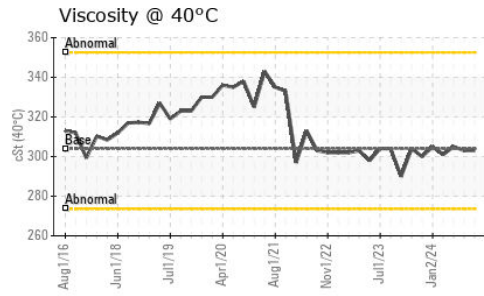
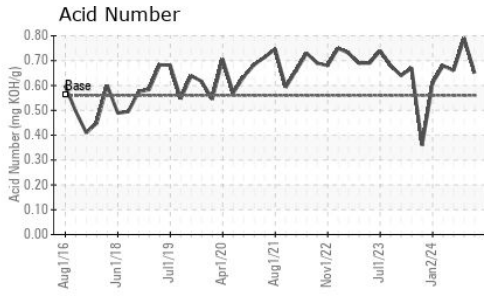
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	3	<1	1
Potassium	ppm	ASTM D5185m	>20	3	2	0
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		5	3	4
Boron	ppm	ASTM D5185m	20	17	14	10
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	0	2	<1	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		5	1	0
Calcium	ppm	ASTM D5185m	25	129	122	65
Phosphorus	ppm	ASTM D5185m	235	405	303	274
Zinc	ppm	ASTM D5185m		26	17	4
Sulfur	ppm	ASTM D5185m		8115	6936	5221
Acid Number (AN)	mg KOH/g	ASTM D8045	0.56	0.65	0.79	0.66
Visc @ 40°C	cSt	ASTM D445	304	303	303	305



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0063134
Lab Number : 06192959
Unique Number : 11049711
Test Package : MAR 2
Received : 28 May 2024
Tested : 30 May 2024
Diagnosed : 30 May 2024 - Sean Felton

INGRAM BARGE
 900 S 3RD ST
 PADUCAH, KY
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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)