



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
MARTHA INGRAM
Machine Id
[**MARTHA INGRAM**] 005 589419-5
Component
Center Reduction Gear
Fluid
SCHAEFFER 209 MOLY UNIVERSAL GEARLUBE ISO 150 (150 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0061469	MW0064320	MW0053591
Sample Date		Client Info		01 May 2024	31 Jan 2024	01 Aug 2023
Machine Age	hrs	Client Info		50716	48695	44466
Oil Age	hrs	Client Info		16244	14223	9994
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Changed
Filter Changed		Client Info		None	N/A	None
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	24	23	19
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	8	8	5
Lead	ppm	ASTM D5185m	>100	1	<1	<1
Copper	ppm	ASTM D5185m	>50	11	10	9
Tin	ppm	ASTM D5185m	>10	<1	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

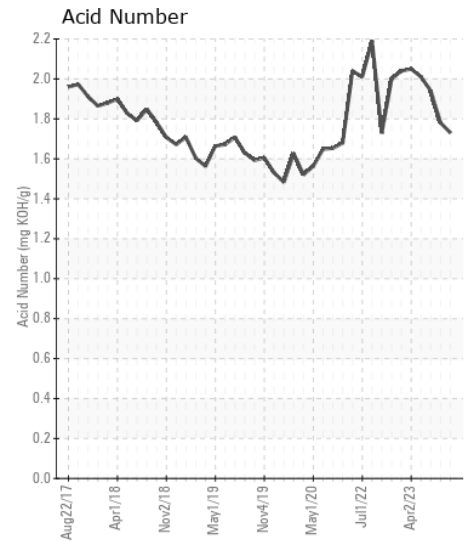
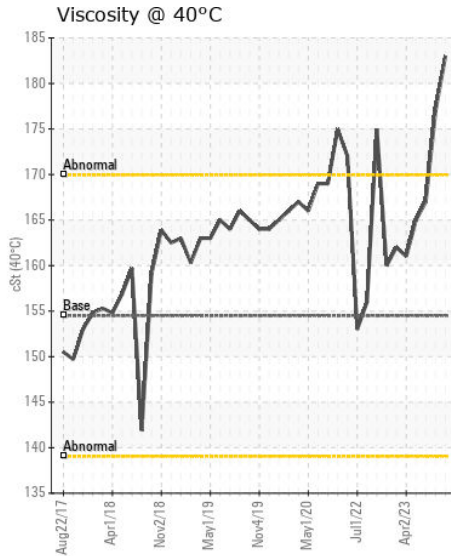
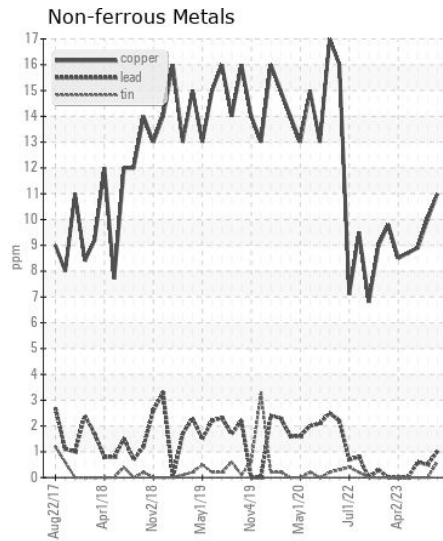
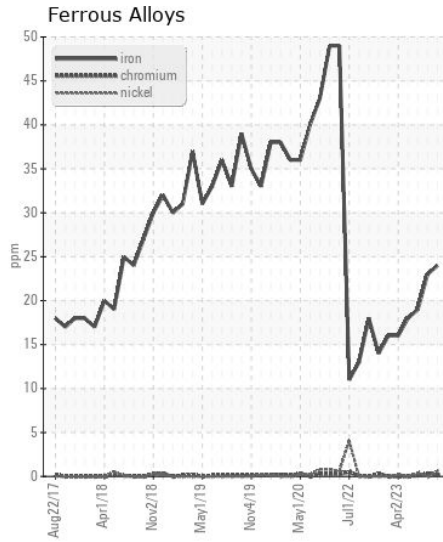
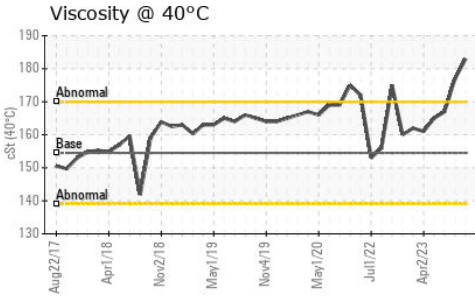
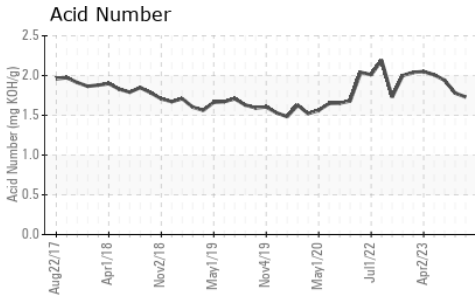
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	6	7	6
Potassium	ppm	ASTM D5185m	>20	3	2	2
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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		2	3	5
Boron	ppm	ASTM D5185m		4	5	6
Barium	ppm	ASTM D5185m		1	<1	<1
Molybdenum	ppm	ASTM D5185m		240	265	248
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		12	12	10
Calcium	ppm	ASTM D5185m		55	48	40
Phosphorus	ppm	ASTM D5185m		807	913	871
Zinc	ppm	ASTM D5185m		35	33	33
Sulfur	ppm	ASTM D5185m		16749	16731	18365
Acid Number (AN)	mg KOH/g	ASTM D8045		1.73	1.78	1.94
Visc @ 40°C	cSt	ASTM D445	154.5	183	177	167



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0061469
Lab Number : 06177850
Unique Number : 11029176
Test Package : MAR 2
Received : 13 May 2024
Tested : 14 May 2024
Diagnosed : 15 May 2024 - Angela Borella

INGRAM BARGE
 900 S 3RD ST
 PADUCAH, KY
 US 42003

Contact: GLENN ELLIS
 glen.ellis@ingrambarga.com
 T: (270)415-4467
 F: (615)695-3697

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)