



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
MARTHA INGRAM
Machine Id
[**MARTHA INGRAM**] 004 589419-4
Component
Port Reduction Gear
Fluid
SCHAEFFER 209 MOLY UNIVERSAL GEARLUBE ISO 150 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0061475	MW0064319	MW0053590
Sample Date		Client Info		01 May 2024	31 Jan 2024	01 Aug 2023
Machine Age	hrs	Client Info		51195	49174	49829
Oil Age	hrs	Client Info		16704	14638	10338
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Not Changd
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	35	33	27
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	<1
Aluminum	ppm	ASTM D5185m	>25	12	13	10
Lead	ppm	ASTM D5185m	>100	<1	<1	<1
Copper	ppm	ASTM D5185m	>50	14	14	12
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

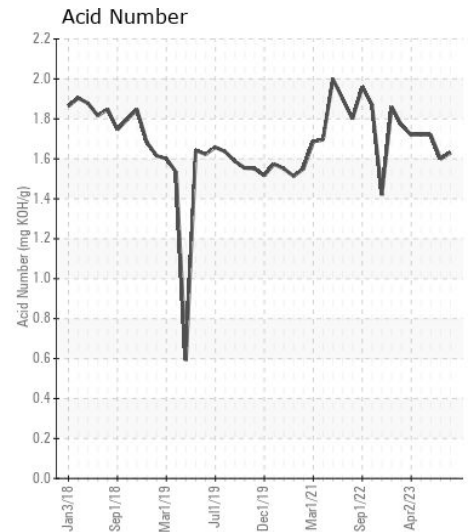
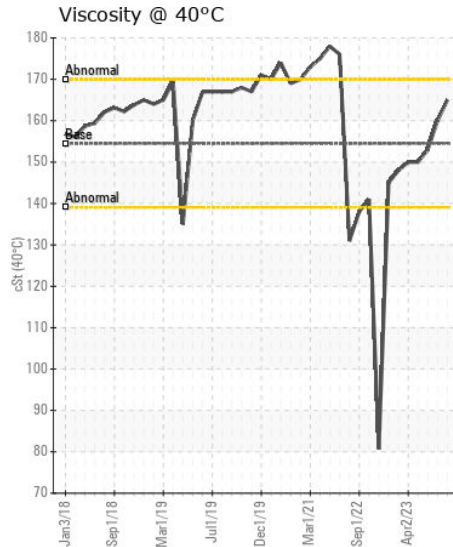
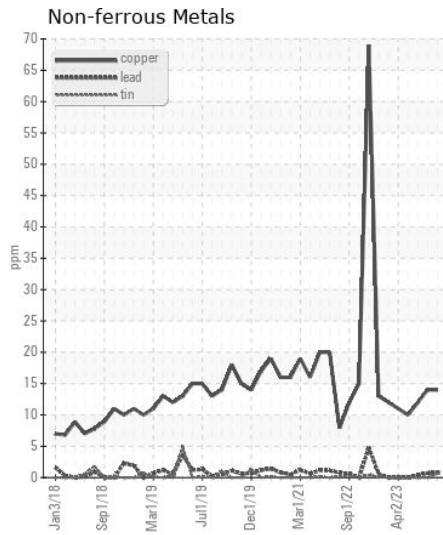
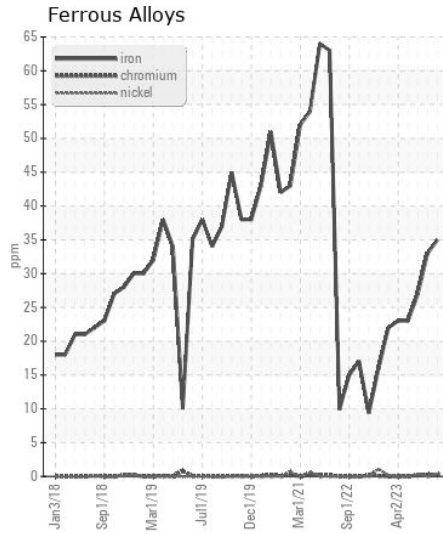
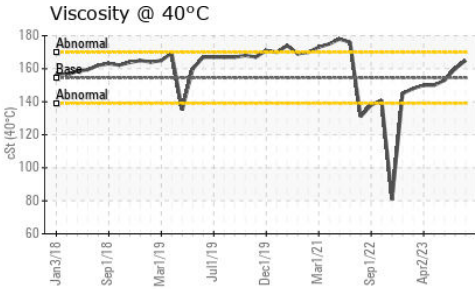
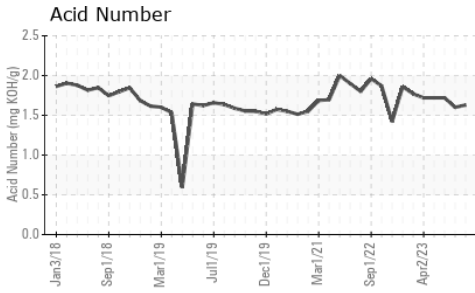
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	8	8	8
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		4	6	7
Boron	ppm	ASTM D5185m		9	11	12
Barium	ppm	ASTM D5185m		1	<1	<1
Molybdenum	ppm	ASTM D5185m		245	268	253
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		13	14	11
Calcium	ppm	ASTM D5185m		114	115	108
Phosphorus	ppm	ASTM D5185m		808	943	833
Zinc	ppm	ASTM D5185m		33	33	31
Sulfur	ppm	ASTM D5185m		16759	17776	18051
Acid Number (AN)	mg KOH/g	ASTM D8045		1.63	1.60	1.72
Visc @ 40°C	cSt	ASTM D445	154.5	165	160	153



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : MW0061475

Lab Number : 06177851

Unique Number : 11029177

Test Package : MAR 2

Received : 13 May 2024

Tested : 14 May 2024

Diagnosed : 15 May 2024 - Angela Borella

INGRAM BARGE

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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)