



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
ALVIN C JOHNSON
Machine Id
[ALVIN C JOHNSON] 004 578276-4
Component
Port Reduction Gear
Fluid
MOBIL MOBILGEAR 600 XP 320 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0064494	MW0030801	MW0030894
Sample Date		Client Info		01 Jan 2024	01 Oct 2023	01 Apr 2023
Machine Age	hrs	Client Info		106737	165625	164380
Oil Age	hrs	Client Info		0	0	300
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	67	0	68
Chromium	ppm	ASTM D5185m	>10	<1	1	0
Nickel	ppm	ASTM D5185m	>10	0	23	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	2	0
Aluminum	ppm	ASTM D5185m	>25	<1	14	<1
Lead	ppm	ASTM D5185m	>100	<1	13	0
Copper	ppm	ASTM D5185m	>50	6	0	5
Tin	ppm	ASTM D5185m	>10	<1	4	0
Vanadium	ppm	ASTM D5185m		0	2	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

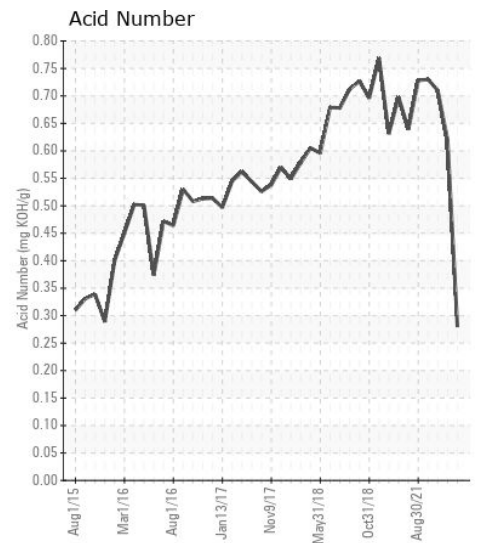
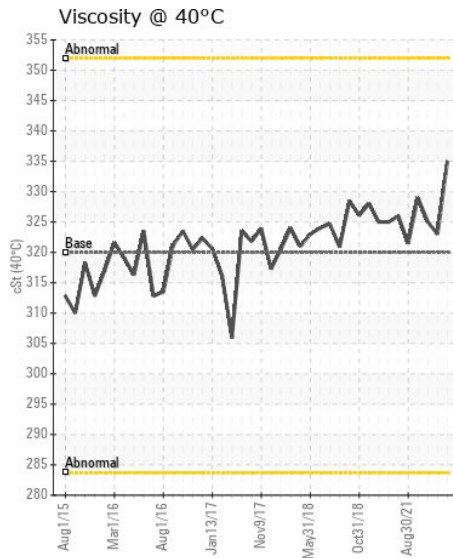
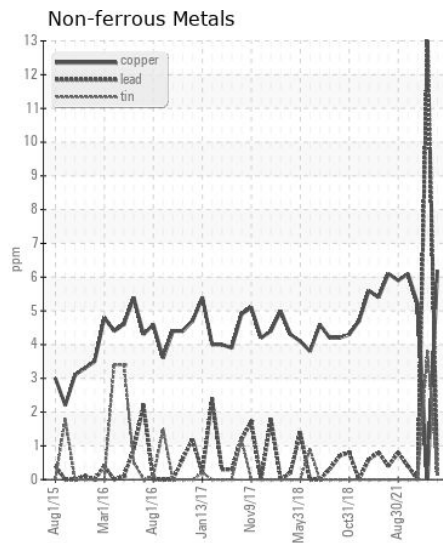
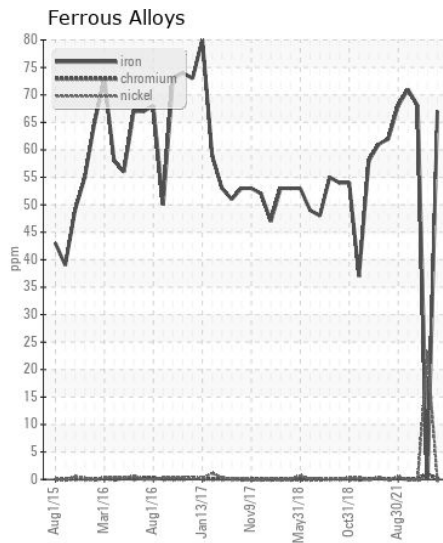
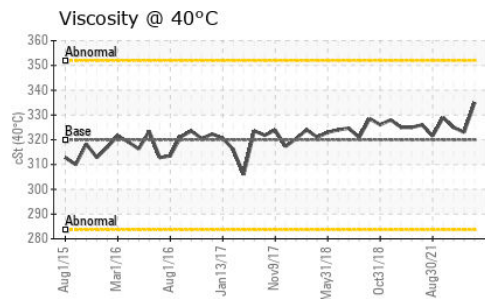
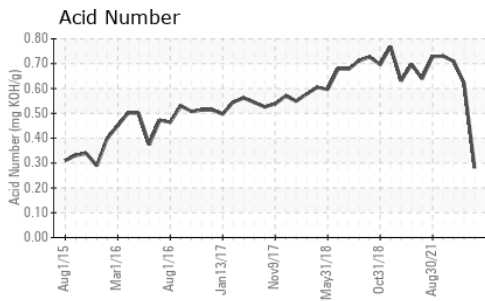
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	1	2	1
Potassium	ppm	ASTM D5185m	>20	1	84	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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		7	33	6
Boron	ppm	ASTM D5185m		3	3	2
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m		<1	25	1
Calcium	ppm	ASTM D5185m		16	3	16
Phosphorus	ppm	ASTM D5185m		215	147	224
Zinc	ppm	ASTM D5185m		7	0	0
Sulfur	ppm	ASTM D5185m		5562	7022	6203
Acid Number (AN)	mg KOH/g	ASTM D8045		0.28	0.62	0.71
Visc @ 40°C	cSt	ASTM D445	320	335	323	325



Certificate L2367

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

Sample No. : MW0064494

Lab Number : 06105360

Unique Number : 10903590

Test Package : MAR 2

Received : 29 Feb 2024

Tested : 01 Mar 2024

Diagnosed : 04 Mar 2024 - Don Baldrige

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)