



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
MORBARK 6600 TG-5 (S/N 186-1132)
 Component
Gearbox
 Fluid
VALVOLINE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196450	JR0160811	---
Sample Date		Client Info		10 Apr 2024	23 Jun 2023	---
Machine Age	hrs	Client Info		10148	9513	---
Oil Age	hrs	Client Info		483	248	---
Filter Age	hrs	Client Info		0	248	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		202	46	---
Iron	ppm	ASTM D5185m	>200	414	140	---
Chromium	ppm	ASTM D5185m	>10	4	<1	---
Nickel	ppm	ASTM D5185m	>10	1	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	2	<1	---
Lead	ppm	ASTM D5185m	>50	0	0	---
Copper	ppm	ASTM D5185m	>200	2	0	---
Tin	ppm	ASTM D5185m	>10	8	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

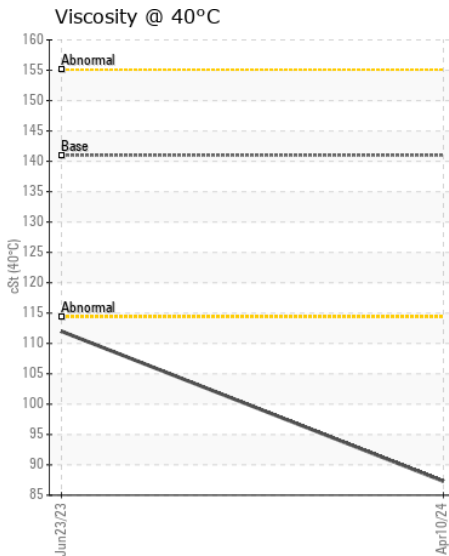
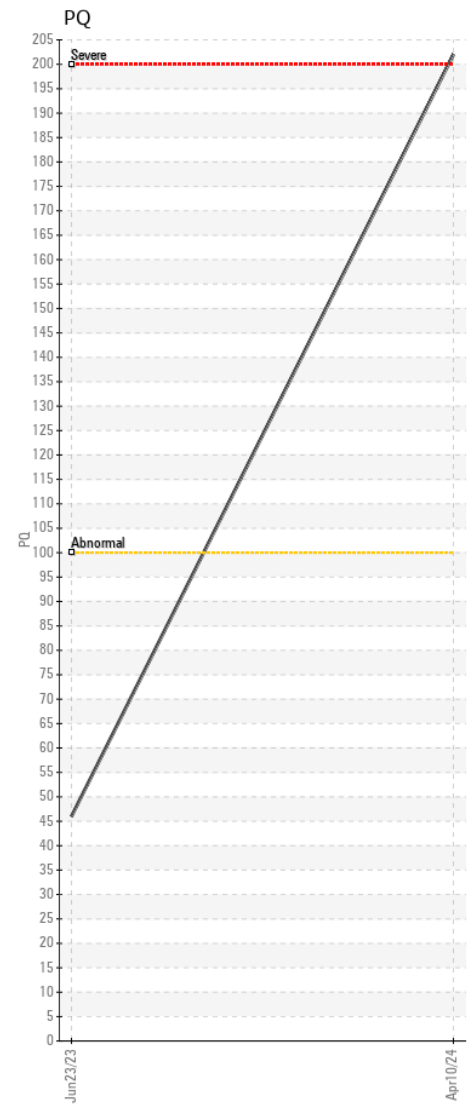
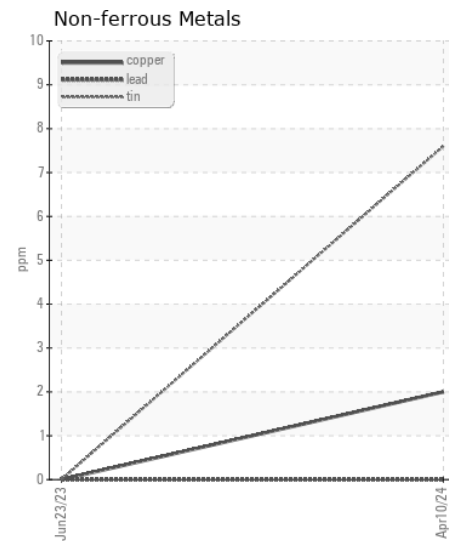
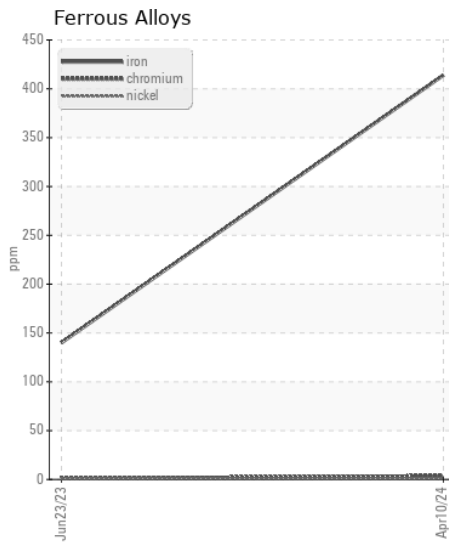
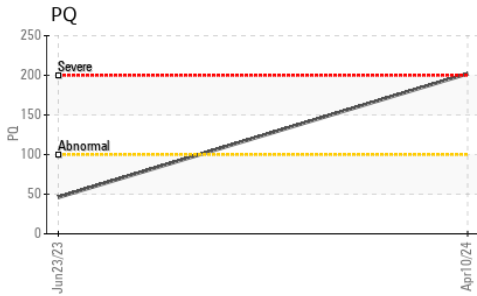
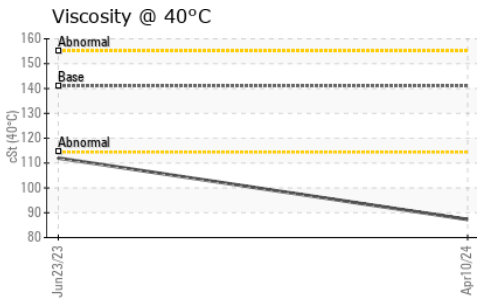
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	3	5	---
Potassium	ppm	ASTM D5185m	>20	21	3	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	0	---
Boron	ppm	ASTM D5185m		1	3	---
Barium	ppm	ASTM D5185m		5	0	---
Molybdenum	ppm	ASTM D5185m		0	<1	---
Manganese	ppm	ASTM D5185m		10	2	---
Magnesium	ppm	ASTM D5185m		7	3	---
Calcium	ppm	ASTM D5185m		133	19	---
Phosphorus	ppm	ASTM D5185m		411	416	---
Zinc	ppm	ASTM D5185m		46	4	---
Sulfur	ppm	ASTM D5185m		21574	15361	---
Visc @ 40°C	cSt	ASTM D445	141	87.3	112	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196450 **Received** : 16 Apr 2024
Lab Number : **06150654** **Tested** : 17 Apr 2024
Unique Number : 10980732 **Diagnosed** : 18 Apr 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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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)