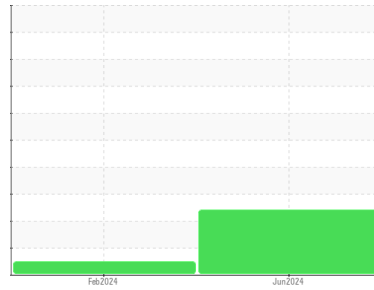




OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Machine Id
PP-10
 Component
Gearbox
 Fluid
GEAR OIL SAE 85W90 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

Gear wear is indicated.

Contamination

Elemental level of silicon (Si) above normal indicating ingress of seal material.

Fluid Condition

The oil viscosity is lower than normal. Confirm oil type.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		AO0000075	AO06095166	---
Sample Date	Client Info		10 Jun 2024	13 Feb 2024	---
Machine Age	hrs	Client Info	6874	0	---
Oil Age	hrs	Client Info	1000	1000	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			ABNORMAL	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	▲ 435	186	---
Chromium	ppm	ASTM D5185m >10	4	1	---
Nickel	ppm	ASTM D5185m >10	2	0	---
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	4	1	---
Tin	ppm	ASTM D5185m >10	0	<1	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	1	288	---
Barium	ppm	ASTM D5185m 200	0	0	---
Molybdenum	ppm	ASTM D5185m 12	2	<1	---
Manganese	ppm	ASTM D5185m	5	1	---
Magnesium	ppm	ASTM D5185m 12	3	0	---
Calcium	ppm	ASTM D5185m 150	26	12	---
Phosphorus	ppm	ASTM D5185m 1650	416	1344	---
Zinc	ppm	ASTM D5185m 125	138	0	---
Sulfur	ppm	ASTM D5185m 22500	14939	21428	---

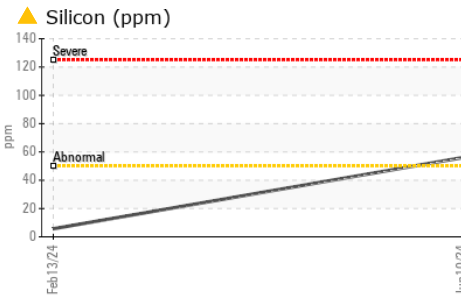
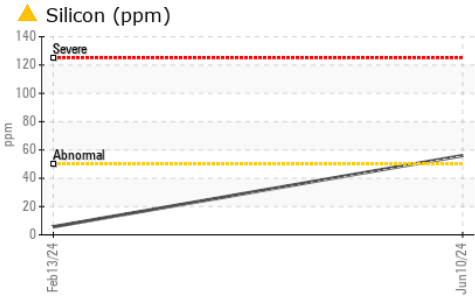
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	▲ 56	6	---
Sodium	ppm	ASTM D5185m	7	1	---
Potassium	ppm	ASTM D5185m >20	3	0	---

VISUAL

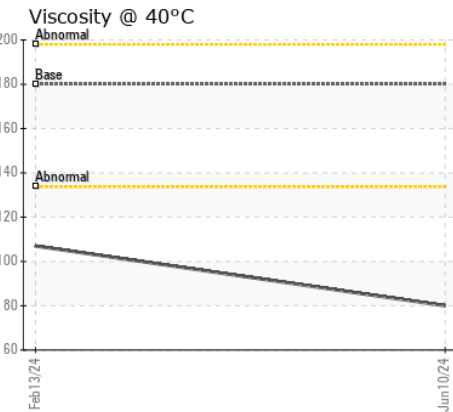
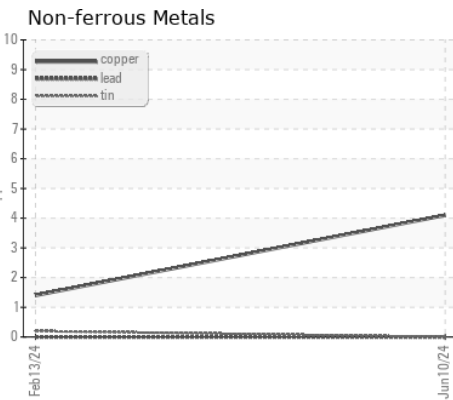
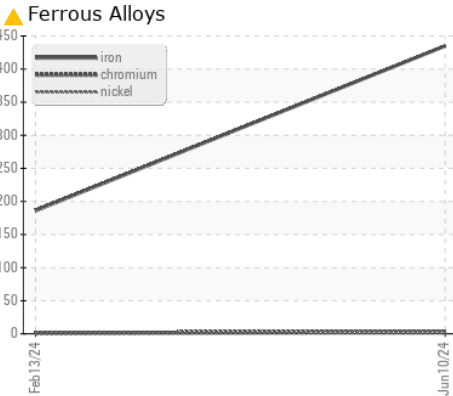
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual NONE	NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	NONE	---
Silt	scalar	*Visual NONE	NONE	NONE	---
Debris	scalar	*Visual NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	---
Appearance	scalar	*Visual NORML	NORML	NORML	---
Odor	scalar	*Visual NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual >0.2	NEG	NEG	---
Free Water	scalar	*Visual	NEG	NEG	---

OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : AO0000075 **Received** : 17 Jun 2024
Lab Number : 06212691 **Tested** : 19 Jun 2024
Unique Number : 11085555 **Diagnosed** : 19 Jun 2024 - Angela Borella
Test Package : FLEET

DEEP WELL SERVICES
 10218 WEST CR 148
 MIDLAND, TX
 US 79706

Contact: ADRIAN GARCIA
 agarcia@deepwellservices.com

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)

T:
F: